

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051305.D
 Acq On : 18 Sep 2018 18:17
 Operator : MD\SY
 Sample : J4940-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Quant Time: Sep 19 01:20:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	422309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	645784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	550308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264888	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	229542	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
35) Dibromofluoromethane	7.59	113	243716	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	10.09	98	849969	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
62) 4-Bromofluorobenzene	12.40	95	263544	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1648	Below Cal		97
5) Bromomethane	2.57	94	1770	1.064	ug/l	81
14) Allyl chloride	4.55	41	56086	8.885	ug/l #	26
16) Acetone	3.83	43	10104	Below Cal	#	84
17) Carbon Disulfide	4.05	76	695	Below Cal	#	75
18) Methyl Acetate	4.33	43	10594	2.691	ug/l	93
20) Methylene Chloride	4.55	84	1666965	331.844	ug/l	99
25) 2-Butanone	6.85	43	446	0.303	ug/l #	45
28) Bromochloromethane	7.20	49	757	0.210	ug/l #	96
29) Tetrahydrofuran	7.22	42	686	0.755	ug/l #	52
30) Chloroform	7.37	83	25872	3.099	ug/l	100
31) Cyclohexane	7.67	56	6537	0.816	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	25734	3.681	ug/l #	49
38) Carbon Tetrachloride	7.67	117	35360	4.851	ug/l #	17
40) Benzene	8.04	78	183576	8.826	ug/l	99
42) 1,2-Dichloroethane	8.04	62	1581	0.259	ug/l	82
43) Isopropyl Acetate	8.17	43	196595	31.616	ug/l	94
47) Bromodichloromethane	9.40	83	5063	0.740	ug/l	99
48) Methyl methacrylate	9.18	41	4558	1.522	ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	1303	0.406	ug/l #	69
52) Toluene	10.16	92	287311	23.076	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	2976	0.463	ug/l #	1
55) 1,1,2-Trichloroethane	10.41	97	3048	0.685	ug/l #	20
56) Ethyl methacrylate	10.23	69	1321	2.290	ug/l #	40
59) 2-Hexanone	10.77	43	11031	5.222	ug/l #	59
67) Ethyl Benzene	11.51	91	159028	7.331	ug/l	100
68) m/p-Xylenes	11.62	106	210047	24.926	ug/l	99
69) o-Xylene	11.95	106	80341	10.004	ug/l	97
70) Styrene	11.96	104	40304	4.011	ug/l #	76
73) Isopropylbenzene	12.25	105	5841	0.261	ug/l	98
76) 1,2,3-Trichloropropane	12.40	75	122132	32.762	ug/l #	100
77) Bromobenzene	12.53	156	216	Below Cal	#	1
78) n-propylbenzene	12.59	91	6355	0.264	ug/l	96
79) 2-Chlorotoluene	12.90	91	4973	0.325	ug/l	90

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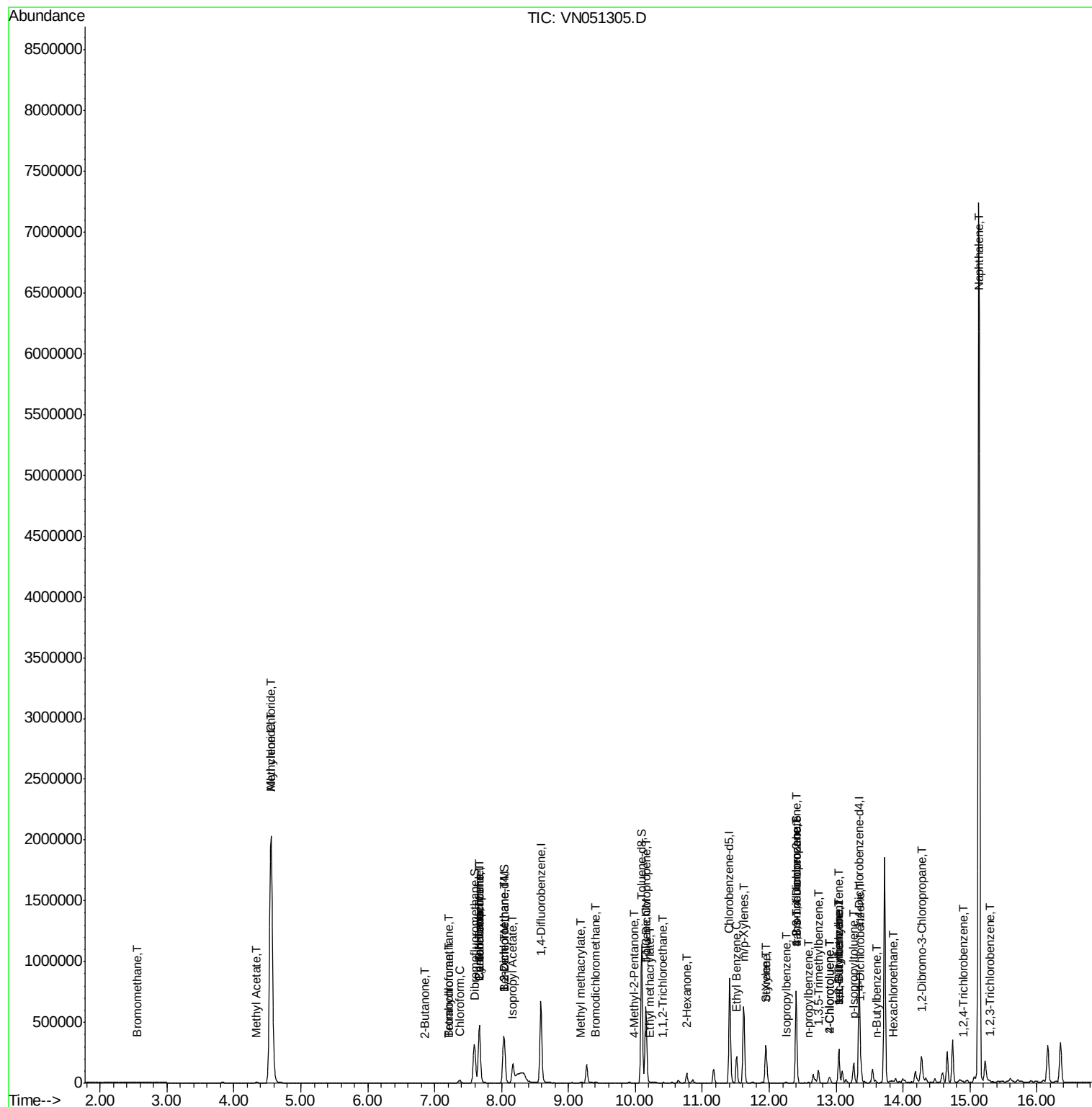
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	58236	3.261	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	122132	102.405	ug/l #	15
82) 4-Chlorotoluene	12.90	91	4973	0.341	ug/l	89
83) tert-Butylbenzene	13.04	119	23569	1.493	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.04	105	155154	8.946	ug/l	100
85) sec-Butylbenzene	13.04	105	155154	7.741	ug/l #	55
86) p-Isopropyltoluene	13.26	119	18541	1.103	ug/l #	71
88) 1,4-Dichlorobenzene	13.37	146	239	0.437	ug/l #	26
89) n-Butylbenzene	13.61	91	2178	2.169	ug/l #	76
90) Hexachloroethane	13.86	117	4473	0.525	ug/l #	1
91) 1,2-Dichlorobenzene	13.65	146	833	Below Cal	#	74
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4786	7.483	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	478	5.129	ug/l #	1
95) Naphthalene	15.13	128	6485607	695.555	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	372	3.944	ug/l #	1

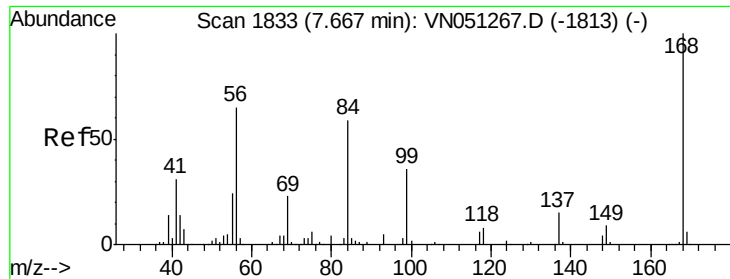
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

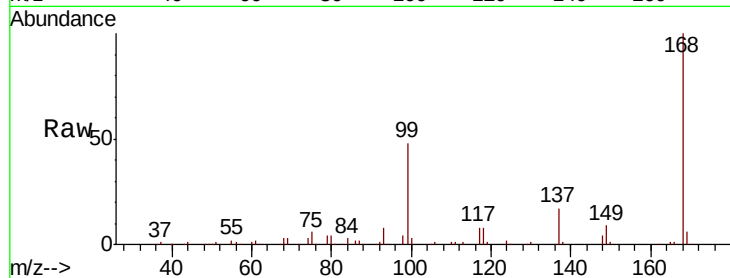
COMP-1

Tgt Ion:168 Resp: 422309

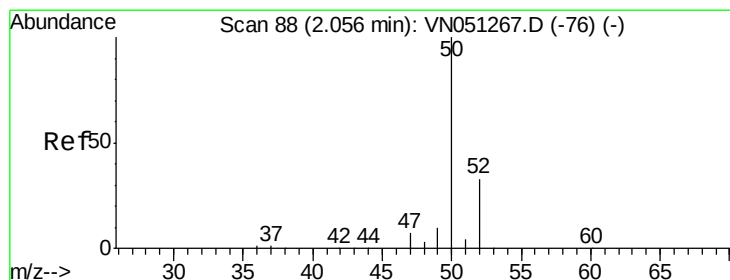
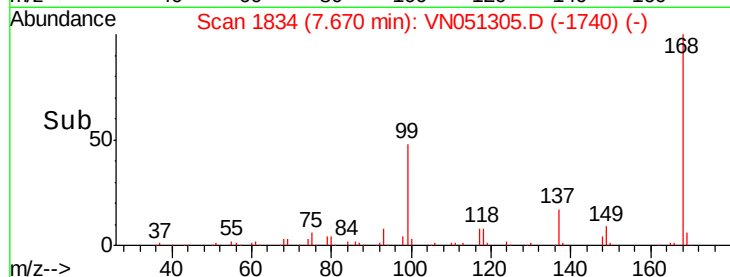
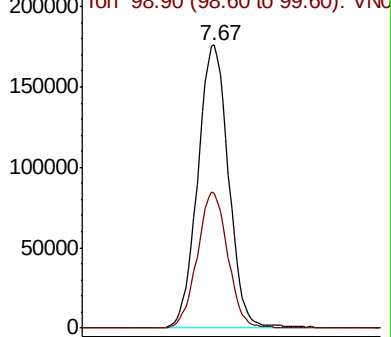
Ion Ratio Lower Upper

168 100

99 47.7 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): VN051267.D (-1813) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051305.D

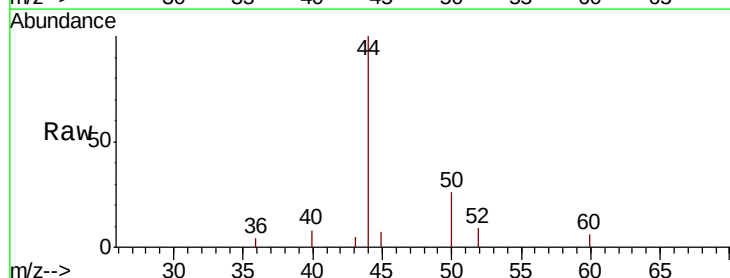
Acq: 18 Sep 2018 18:17

Tgt Ion: 50 Resp: 1648

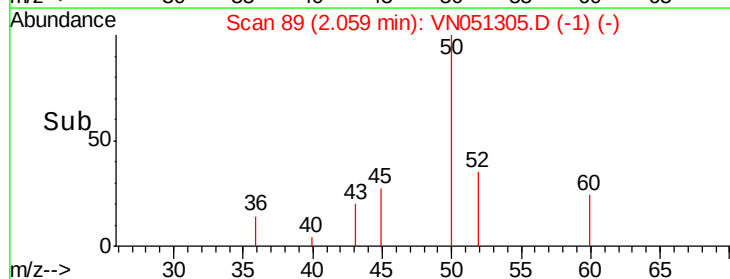
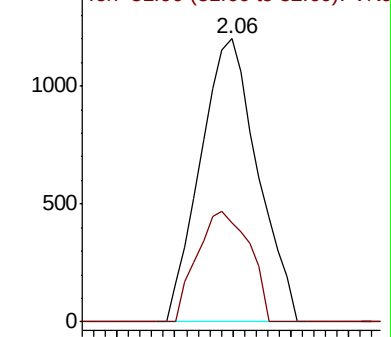
Ion Ratio Lower Upper

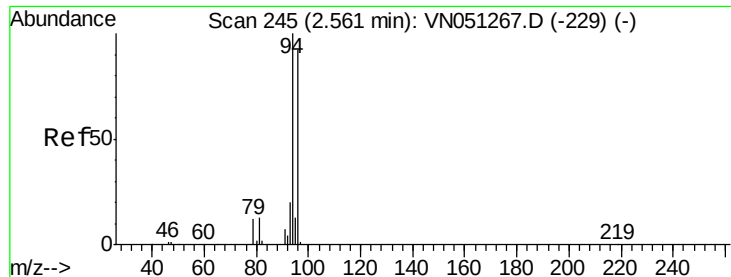
50 100

52 35.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN051267.D (-76) (-)





#5

Bromomethane

Concen: 1.064 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

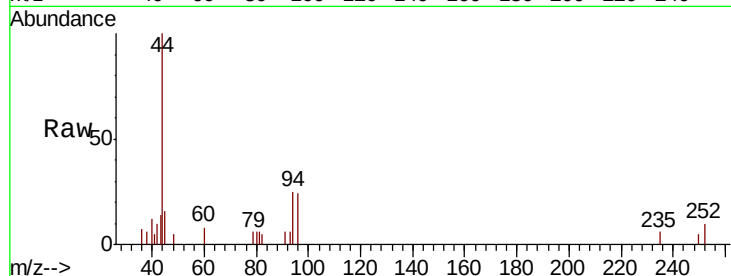
COMP-1

Tgt Ion: 94 Resp: 1770

Ion Ratio Lower Upper

94 100

96 74.1 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

800

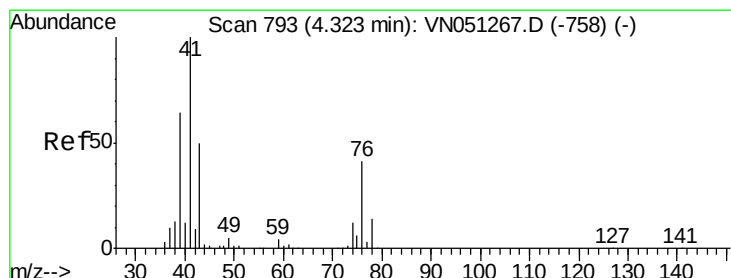
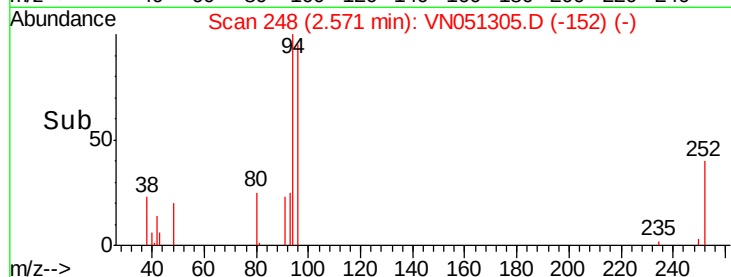
600

400

200

0

Time-->



#14

Allyl chloride

Concen: 8.885 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.23 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

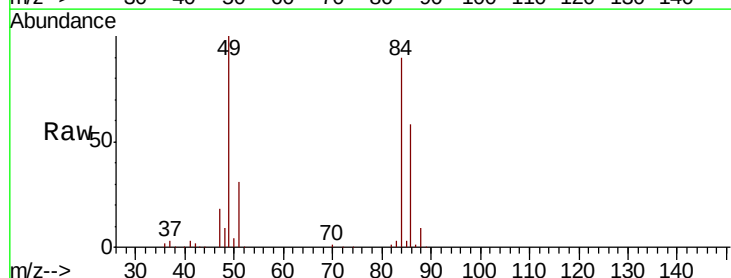
Tgt Ion: 41 Resp: 56086

Ion Ratio Lower Upper

41 100

39 0.2 49.0 73.4#

76 0.0 31.4 47.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

25000

20000

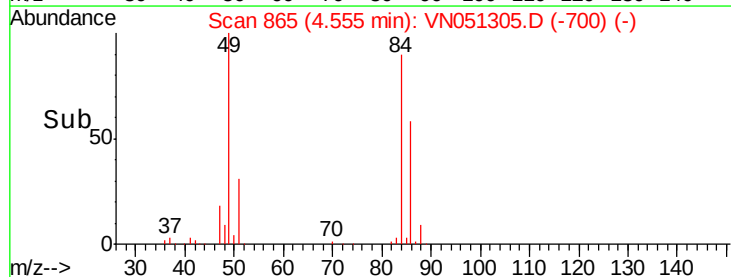
15000

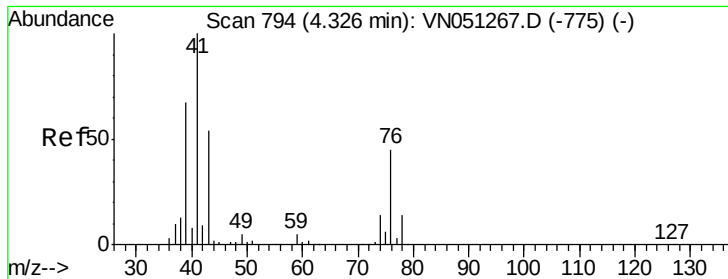
10000

5000

0

Time-->

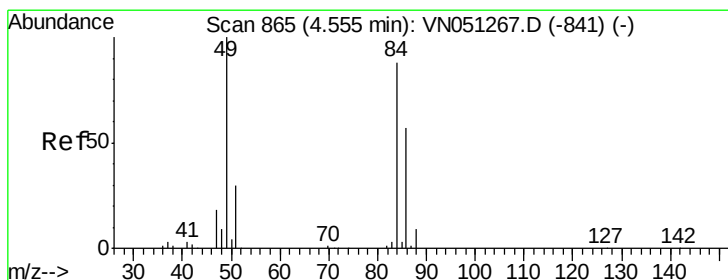
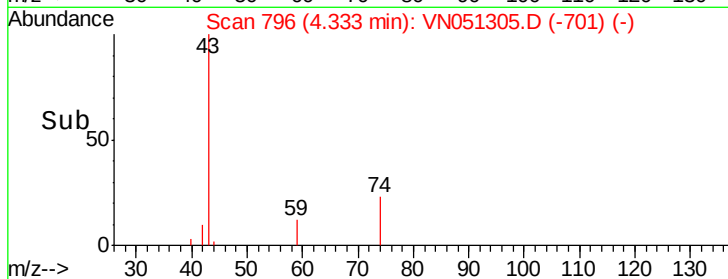
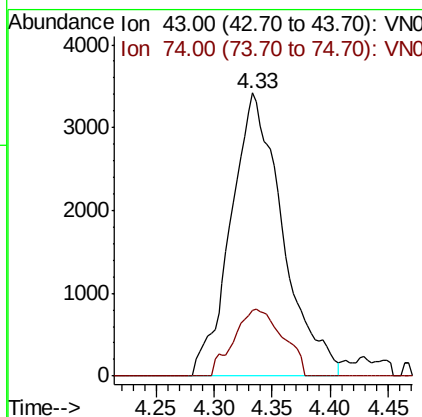
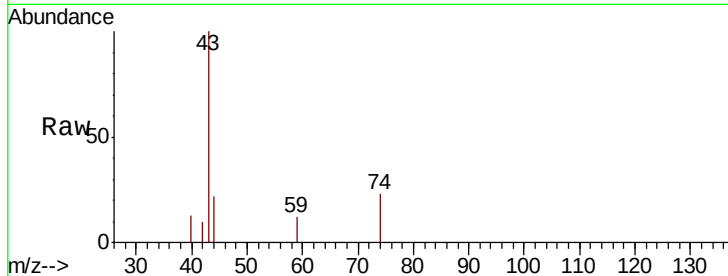




#18
Methyl Acetate
Concen: 2.691 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

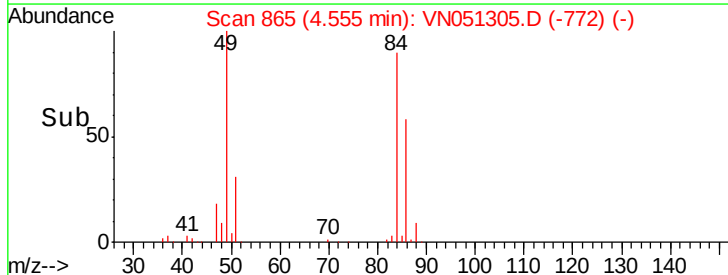
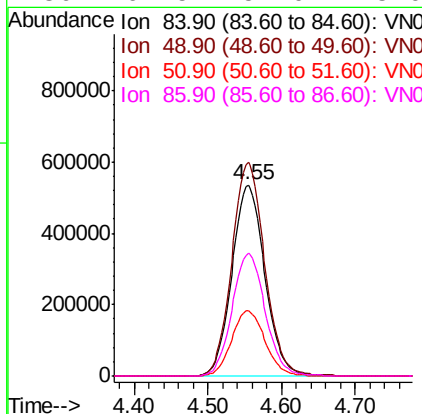
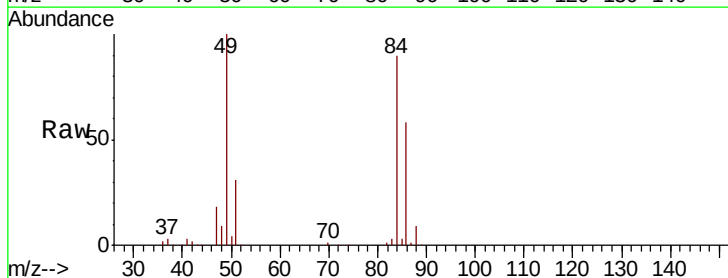
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

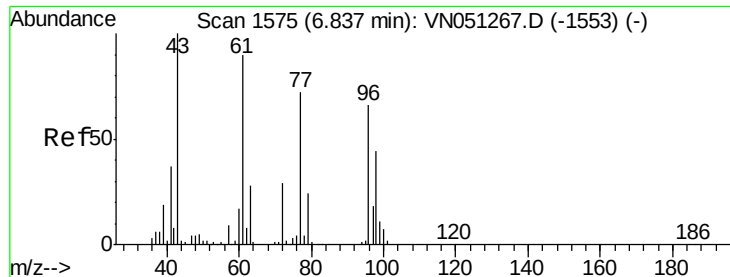
Tgt Ion: 43 Resp: 10594
Ion Ratio Lower Upper
43 100
74 22.3 20.8 31.2



#20
Methylene Chloride
Concen: 331.844 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

Tgt Ion: 84 Resp: 1666965
Ion Ratio Lower Upper
84 100
49 111.7 91.2 136.8
51 34.2 27.7 41.5
86 64.5 52.0 78.0





#25

2-Butanone

Concen: 0.303 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

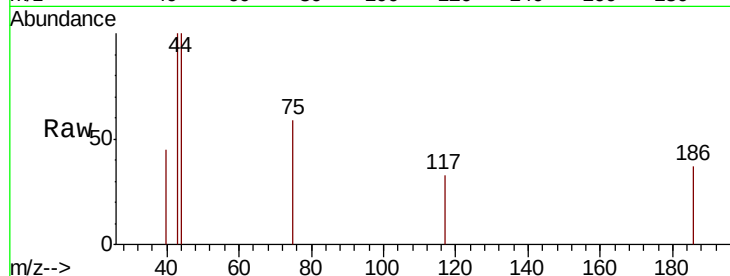
COMP-1

Tgt Ion: 43 Resp: 446

Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.0#

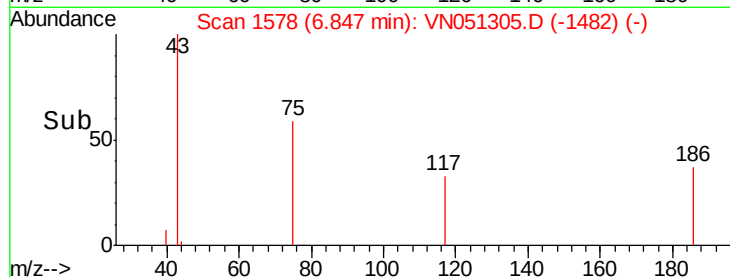


Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-1553) (-)

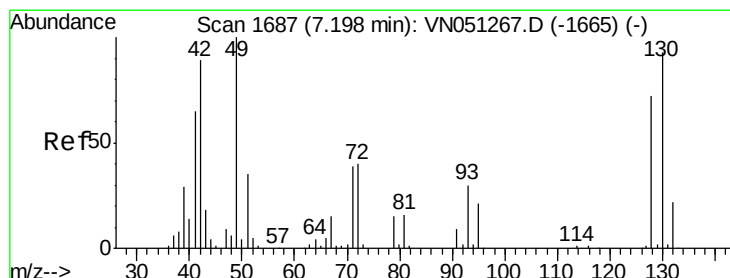
Ion 72.00 (71.70 to 72.70): VN051267.D (-1553) (-)

6.85

6.82 6.83 6.84 6.85 6.86



Time-->



#28

Bromochloromethane

Concen: 0.210 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

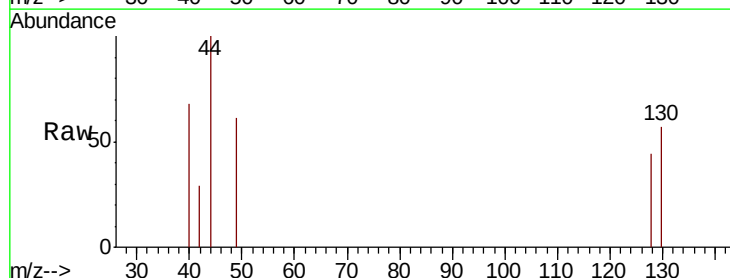
Tgt Ion: 49 Resp: 757

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 96.0 73.7 110.5



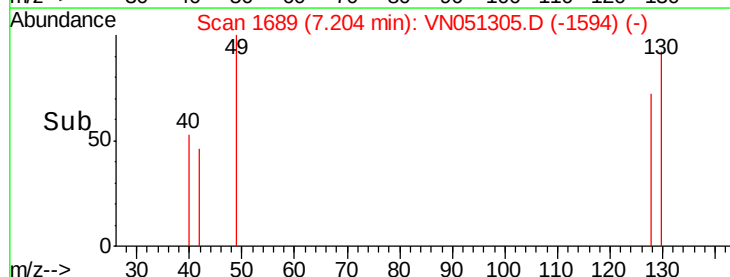
Abundance Ion 48.90 (48.60 to 49.60): VN051267.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051267.D (-1665) (-)

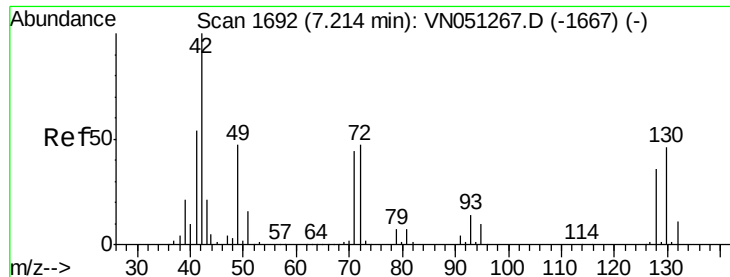
Ion 129.80 (129.50 to 130.50): VN051267.D (-1665) (-)

7.20

7.20 7.25



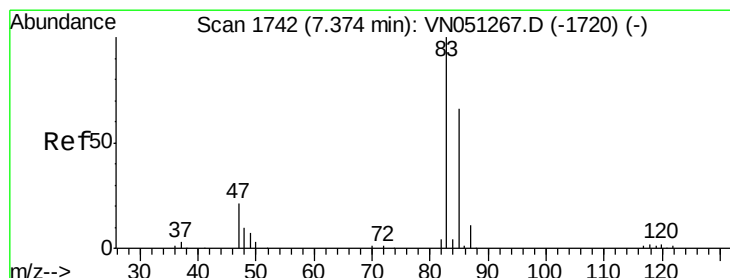
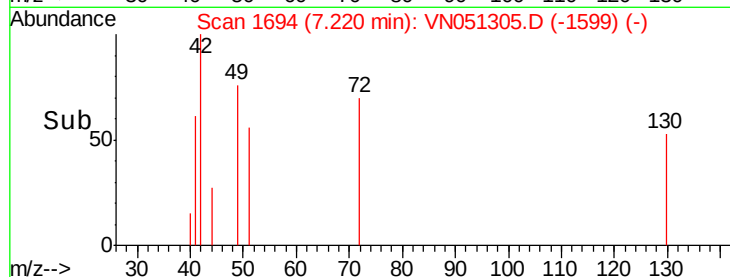
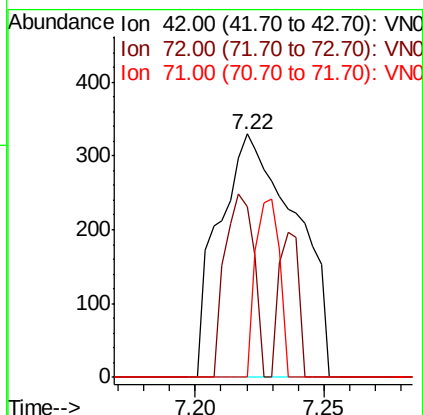
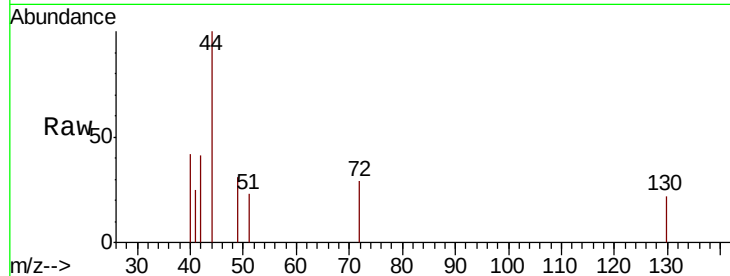
Time-->



#29
Tetrahydrofuran
Concen: 0.755 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

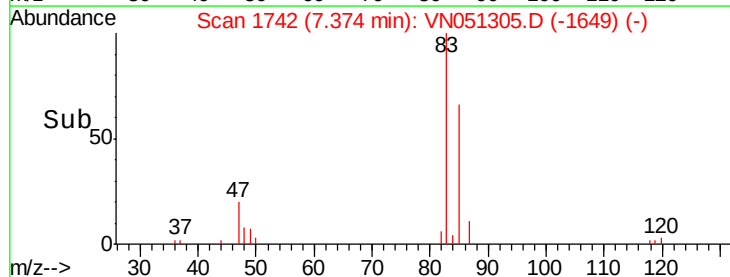
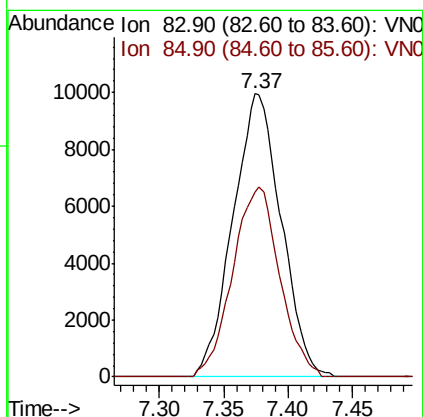
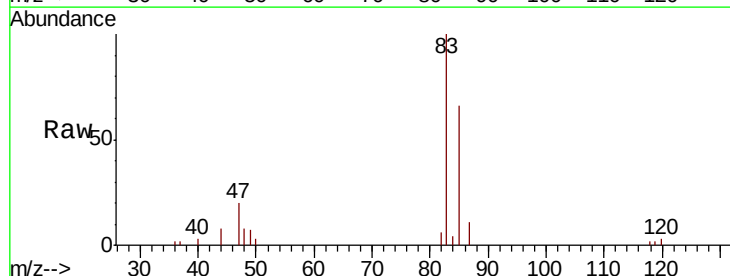
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ClientSampled :
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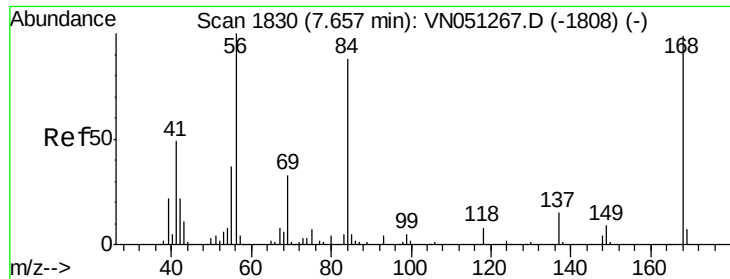
Tgt Ion: 42 Resp: 686
Ion Ratio Lower Upper
42 100
72 28.3 37.6 56.4#
71 0.0 35.4 53.2#



#30
Chloroform
Concen: 3.099 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

Tgt Ion: 83 Resp: 25872
Ion Ratio Lower Upper
83 100
85 65.5 52.4 78.6

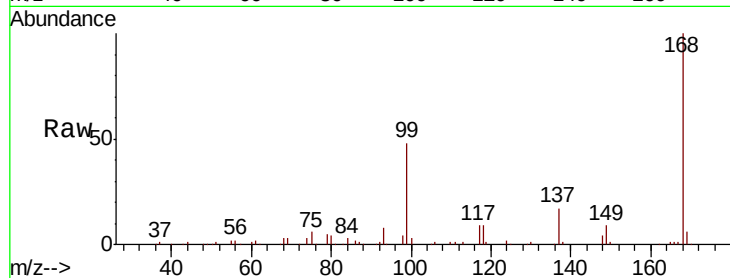




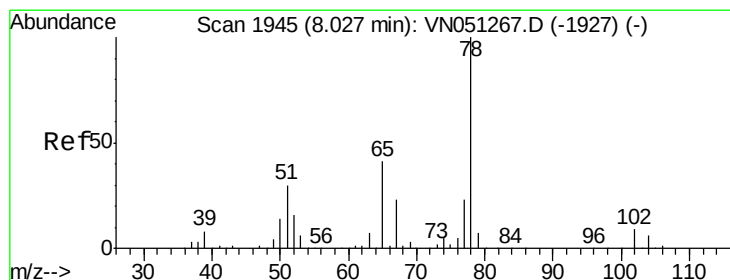
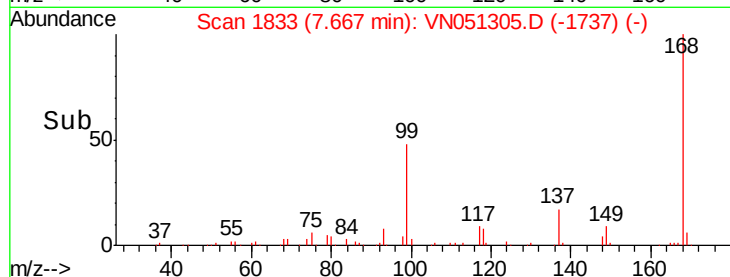
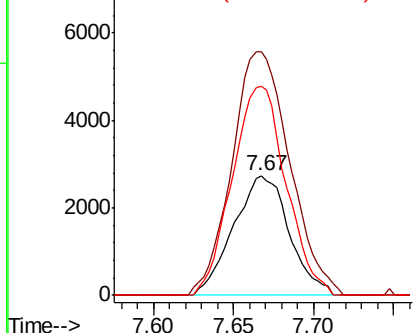
#31
Cyclohexane
Concen: 0.816 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

Instrument :
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ClientSampleId :
COMP-1

Tgt Ion: 56 Resp: 6537
Ion Ratio Lower Upper
56 100
69 203.4 26.2 39.2#
84 174.2 70.6 106.0#

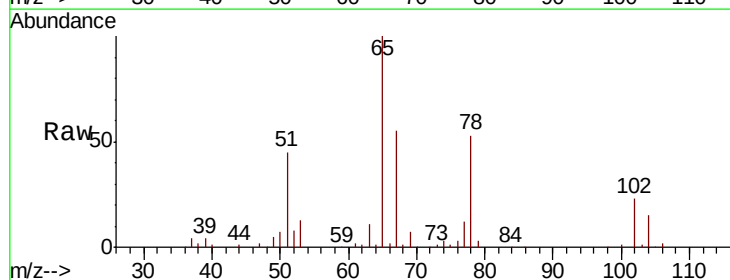


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

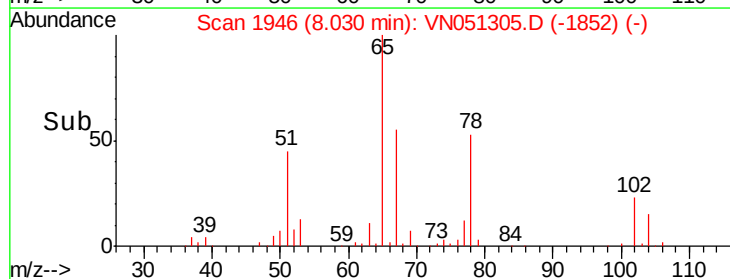
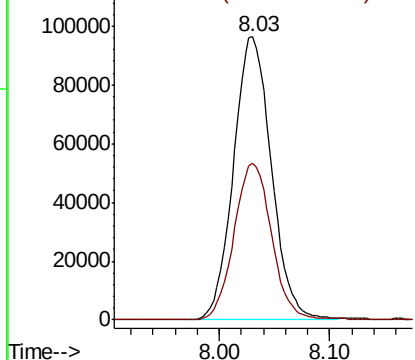


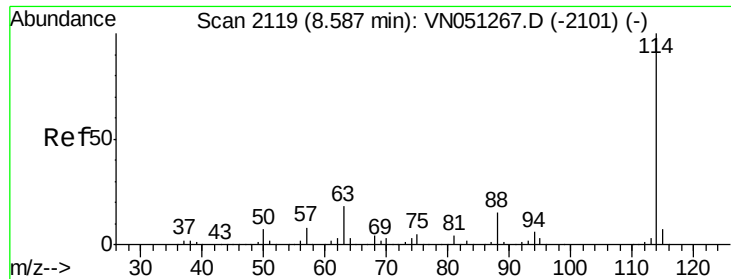
#33
1,2-Dichloroethane-d4
Concen: 50.013 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

Tgt Ion: 65 Resp: 229542
Ion Ratio Lower Upper
65 100
67 55.0 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

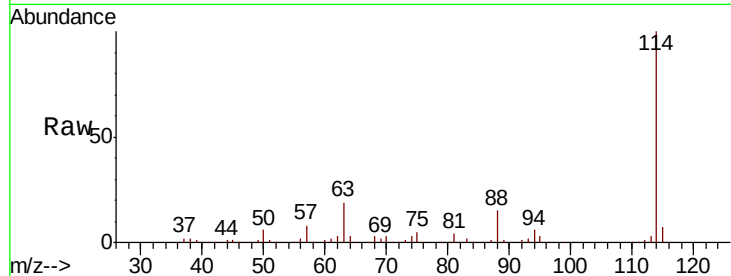




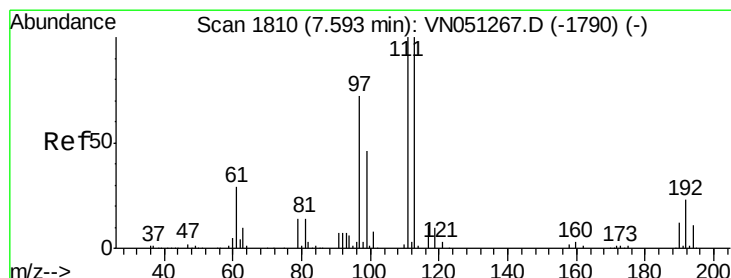
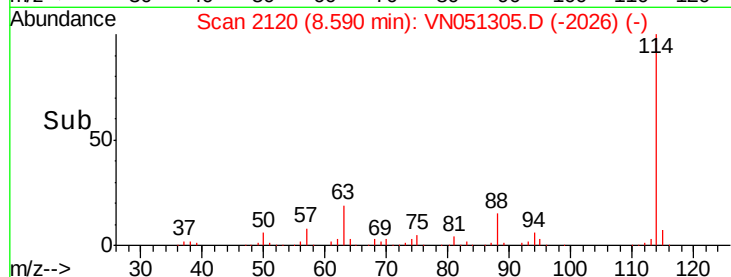
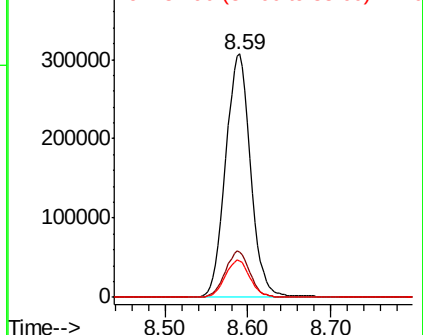
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Tgt Ion:114 Resp: 645784
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.8
 88 15.1 0.0 30.8

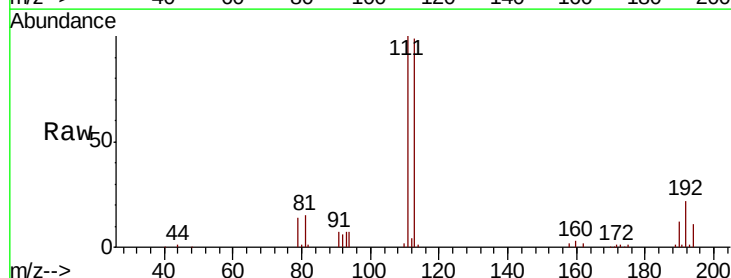


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

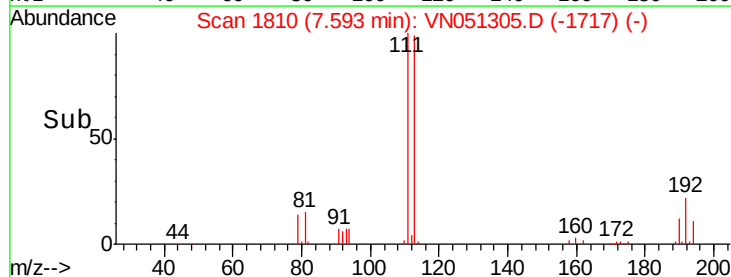
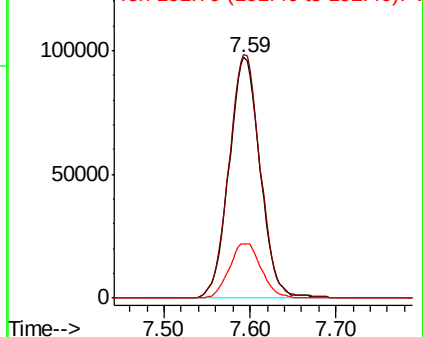


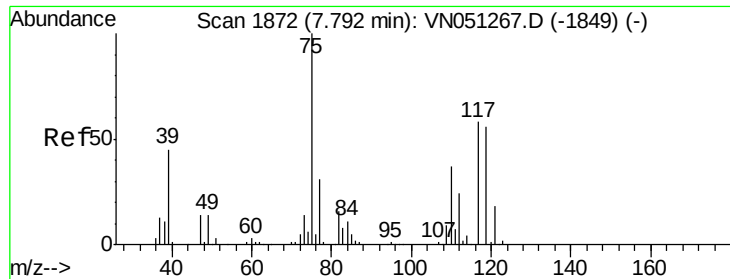
#35
 Dibromofluoromethane
 Concen: 48.565 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

Tgt Ion:113 Resp: 243716
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.4
 192 23.3 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

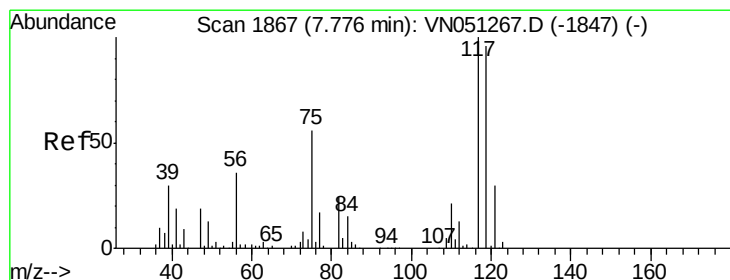
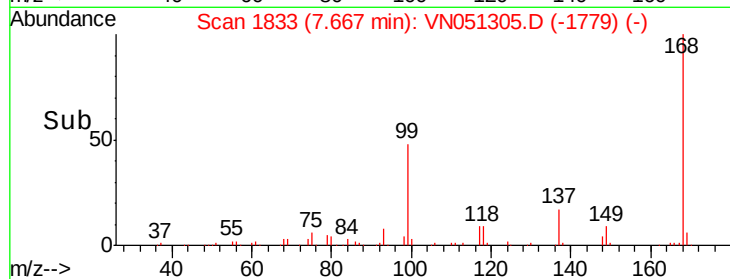
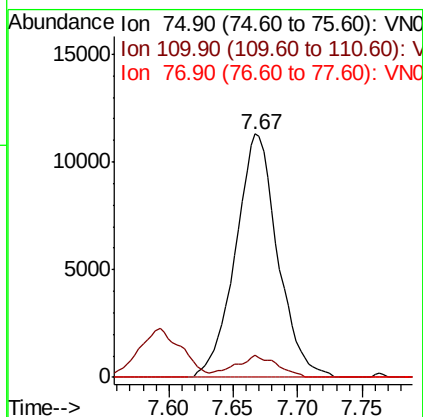
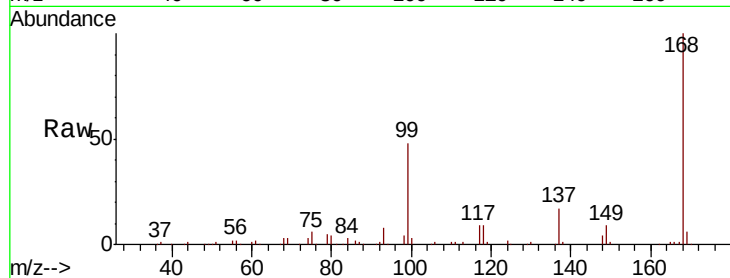




#36
 1,1-Dichloropropene
 Concen: 3.681 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

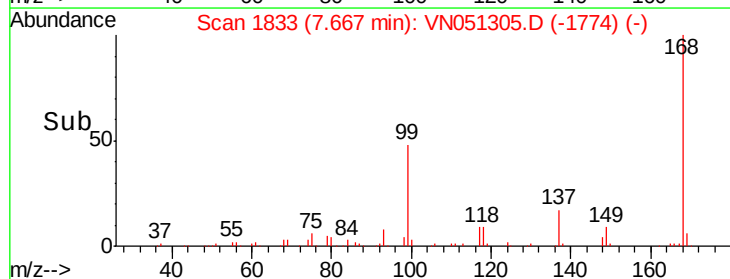
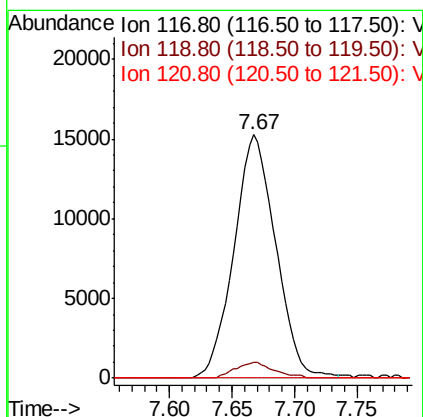
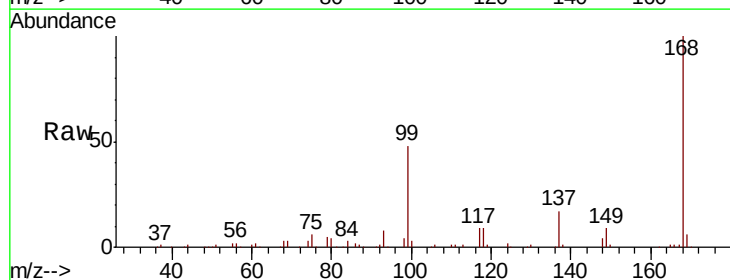
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-1

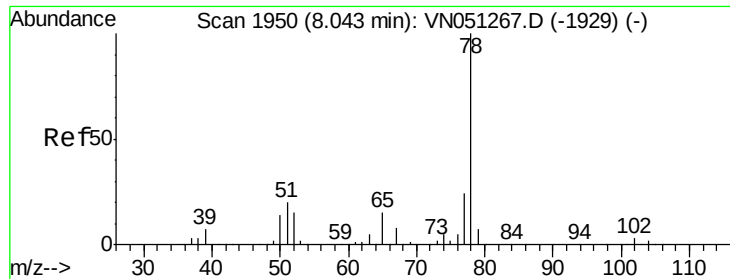
Tgt Ion: 75 Resp: 25734
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.6 56.0#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 4.851 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

Tgt Ion: 117 Resp: 35360
 Ion Ratio Lower Upper
 117 100
 119 6.3 76.8 115.2#
 121 0.0 24.2 36.2#





#40

Benzene

Concen: 8.826 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

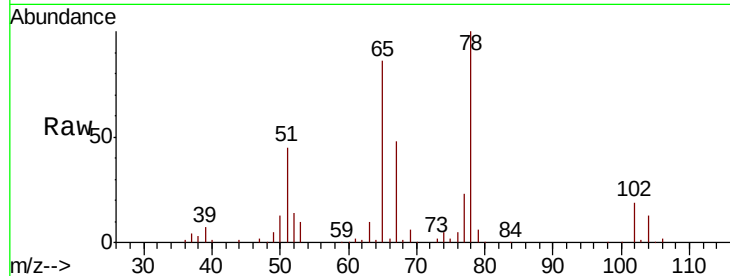
COMP-1

Tgt Ion: 78 Resp: 183576

Ion Ratio Lower Upper

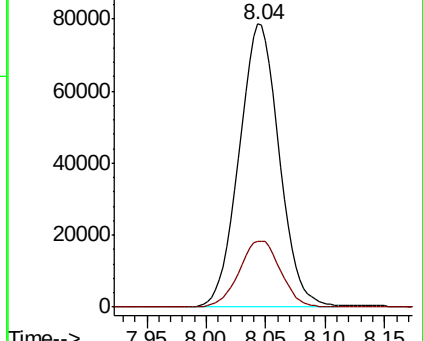
78 100

77 23.0 19.0 28.4

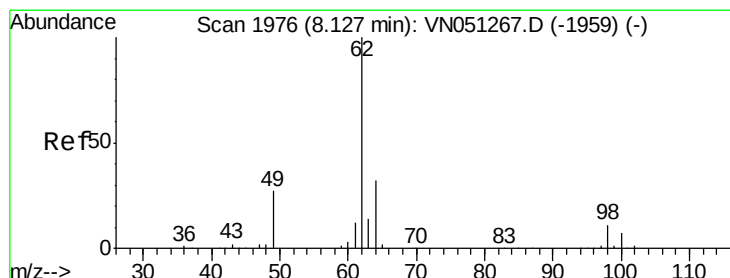
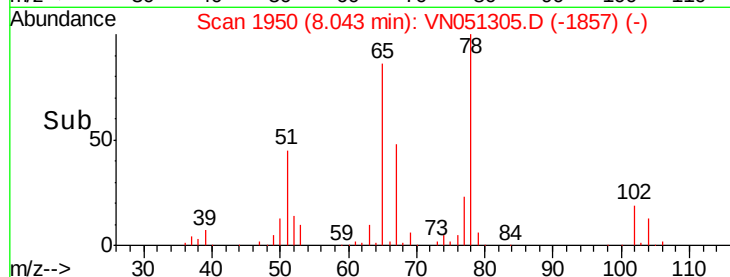


Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#42

1,2-Dichloroethane

Concen: 0.259 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.09 min

Lab File: VN051305.D

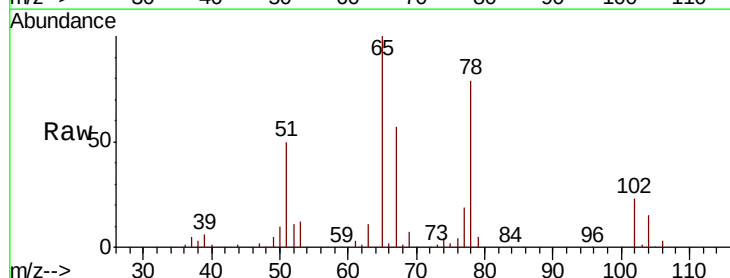
Acq: 18 Sep 2018 18:17

Tgt Ion: 62 Resp: 1581

Ion Ratio Lower Upper

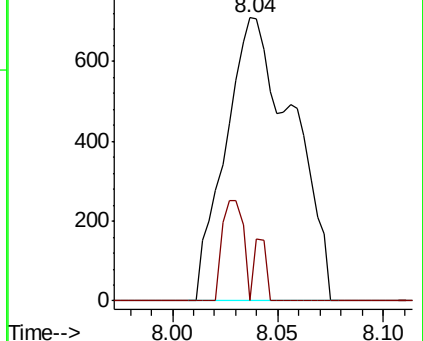
62 100

98 3.7 0.0 21.0

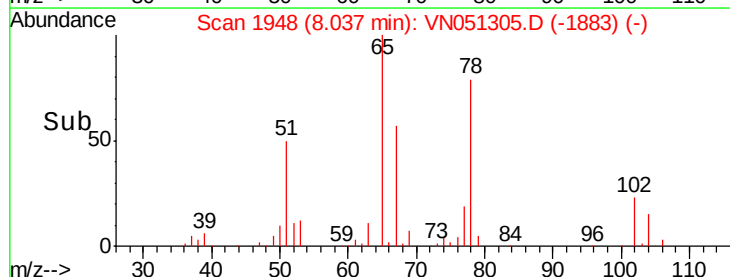


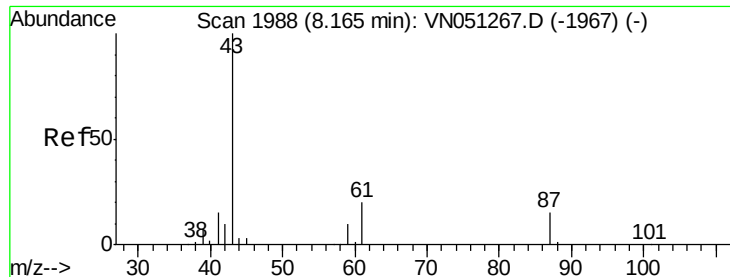
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->





#43

Isopropyl Acetate

Concen: 31.616 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampled :

COMP-1

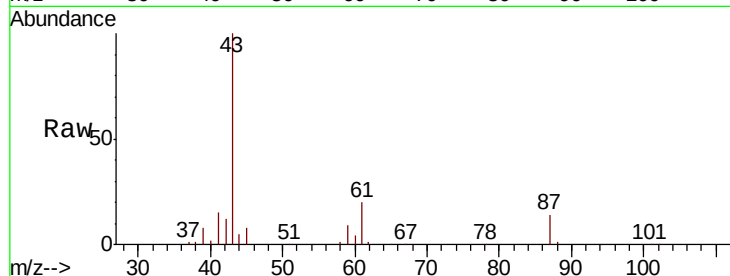
Tgt Ion: 43 Resp: 196595

Ion Ratio Lower Upper

43 100

61 19.0 17.4 26.2

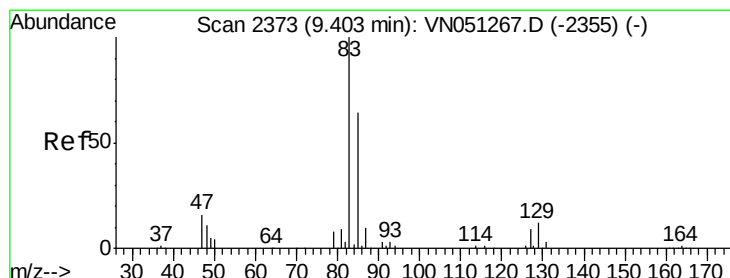
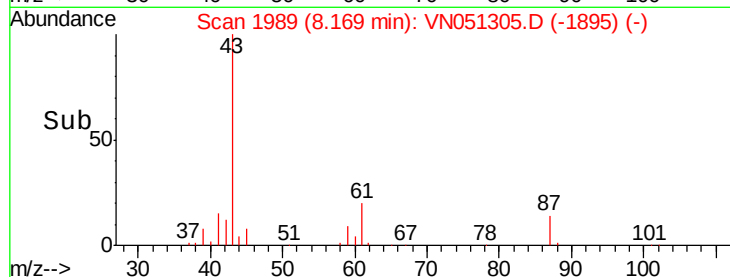
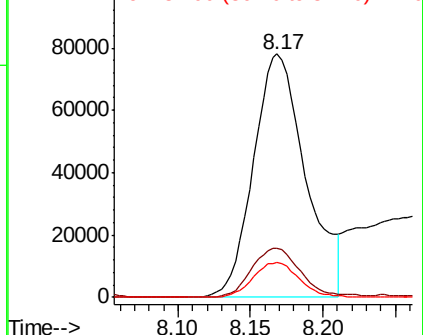
87 12.6 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#47

Bromodichloromethane

Concen: 0.740 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

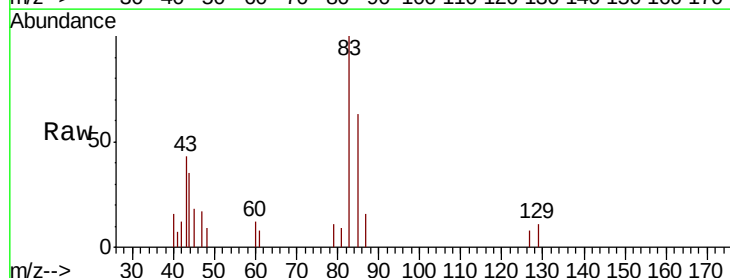
Tgt Ion: 83 Resp: 5063

Ion Ratio Lower Upper

83 100

85 63.4 51.0 76.4

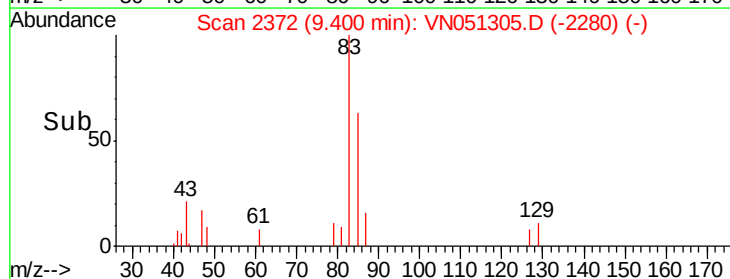
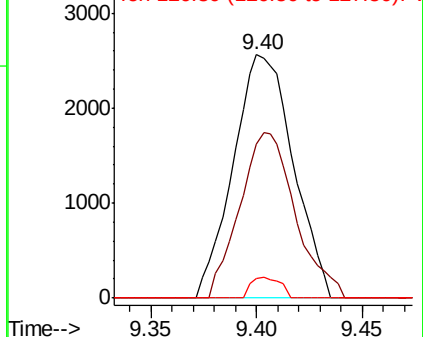
127 8.2 7.1 10.7

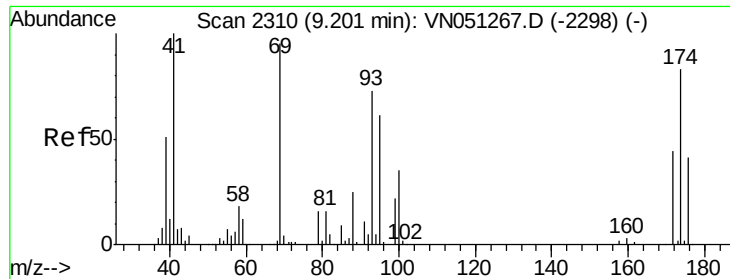


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

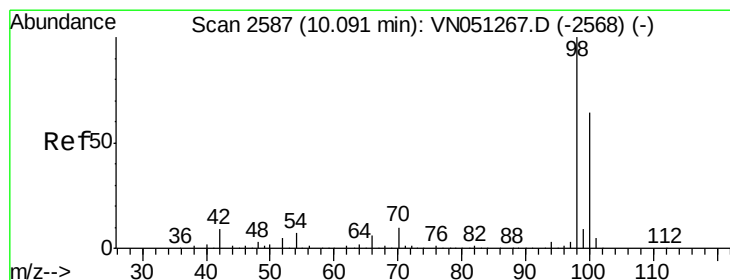
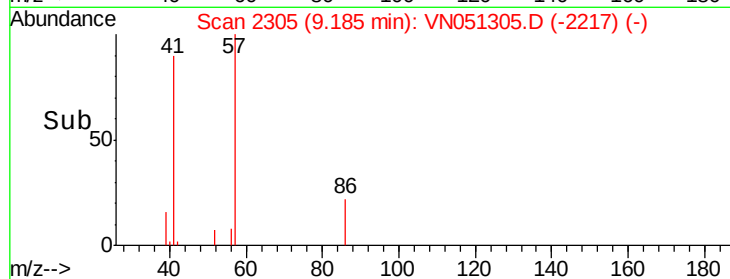
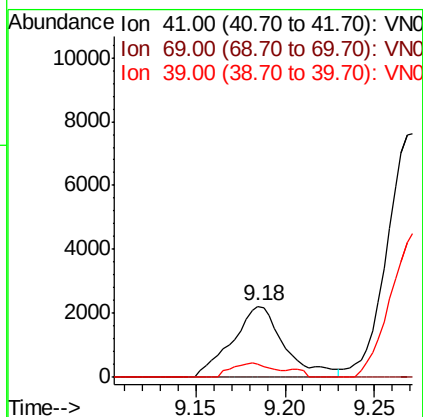
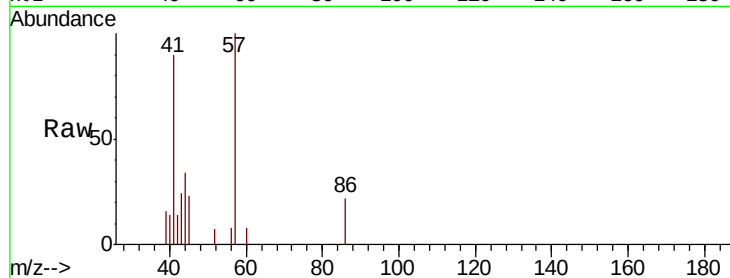




#48
Methyl methacrylate
Concen: 1.522 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

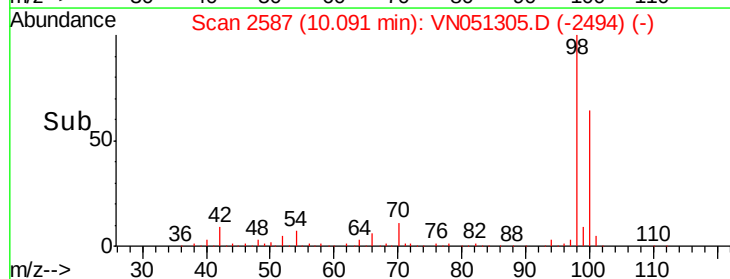
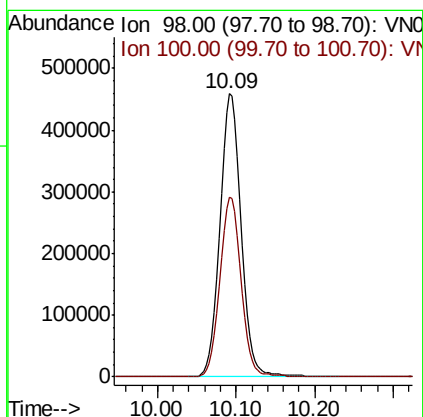
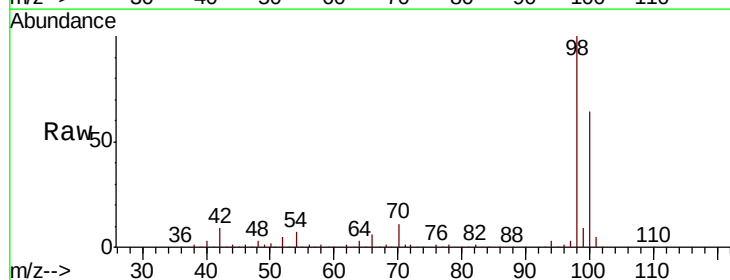
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

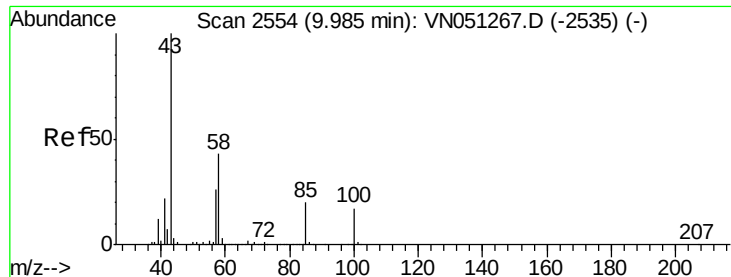
Tgt Ion: 41 Resp: 4558
Ion Ratio Lower Upper
41 100
69 0.0 78.9 118.3#
39 16.1 42.2 63.2#



#50
Toluene-d8
Concen: 45.822 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

Tgt Ion: 98 Resp: 849969
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

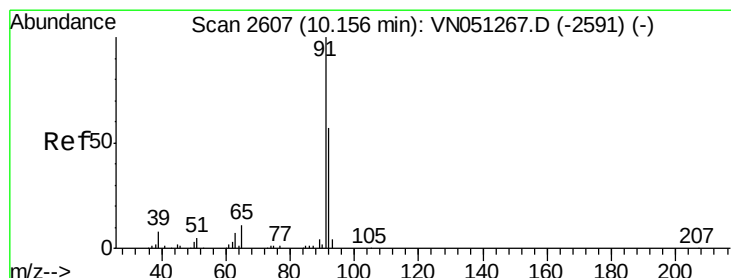
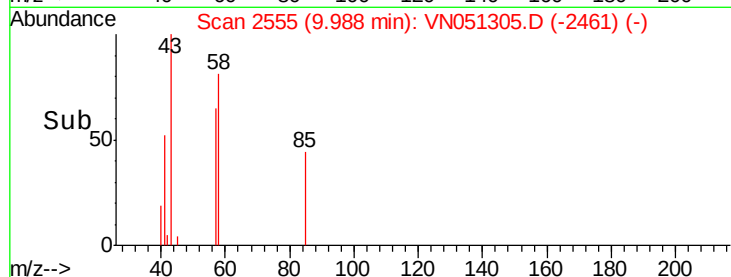
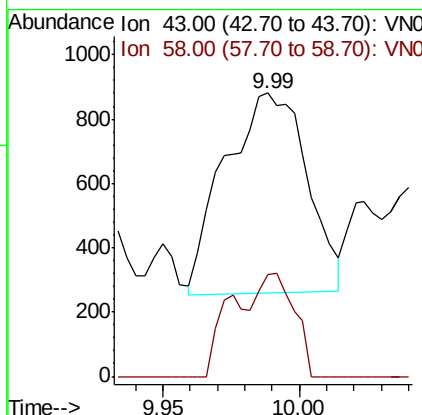
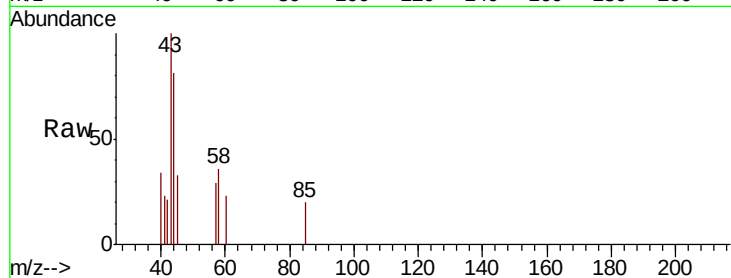




#51
 4-Methyl-2-Pentanone
 Concen: 0.406 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

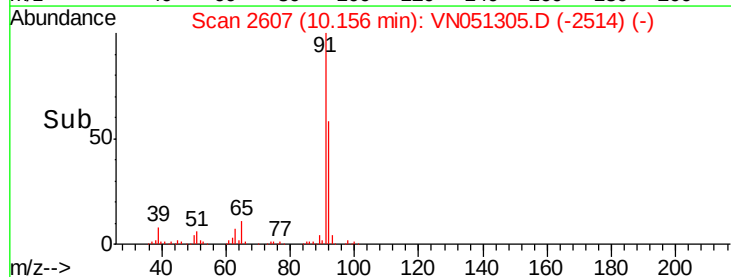
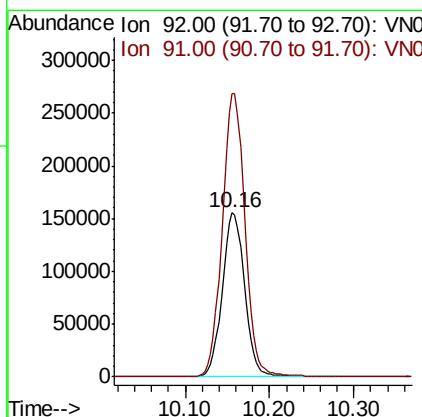
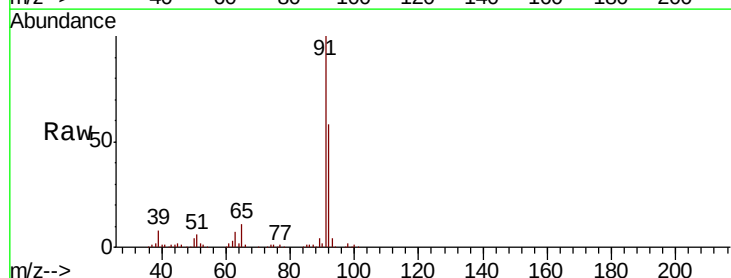
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-1

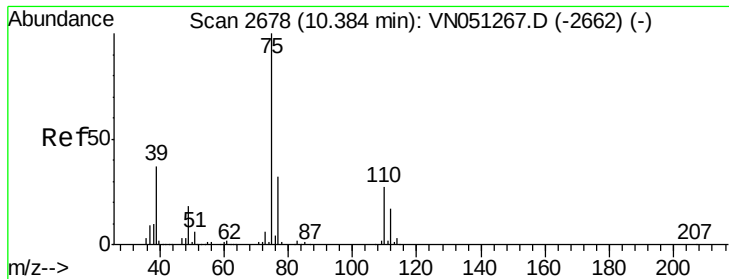
Tgt Ion: 43 Resp: 1303
 Ion Ratio Lower Upper
 43 100
 58 22.6 33.8 50.6#



#52
 Toluene
 Concen: 23.076 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

Tgt Ion: 92 Resp: 287311
 Ion Ratio Lower Upper
 92 100
 91 174.7 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 0.463 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. -0.23 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

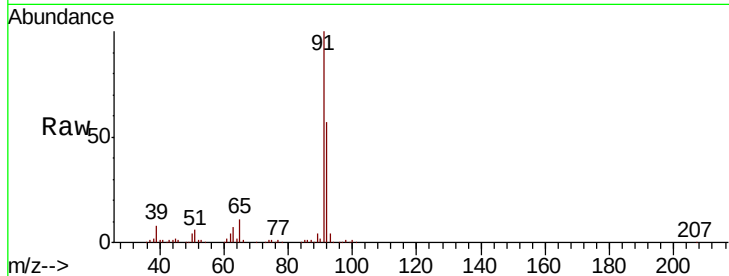
COMP-1

Tgt Ion: 75 Resp: 2976

Ion Ratio Lower Upper

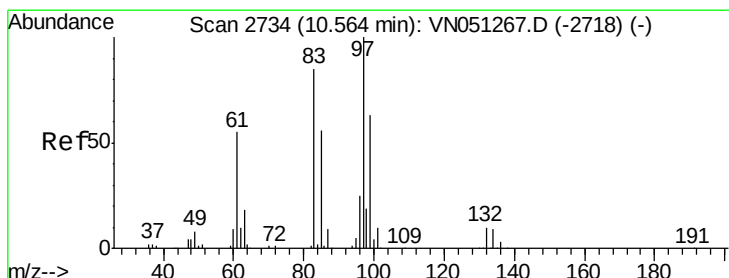
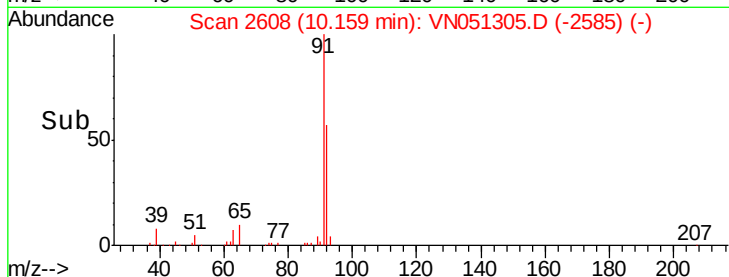
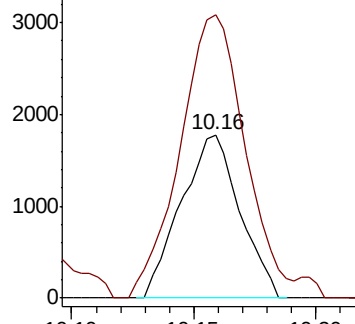
75 100

77 164.0 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#55

1,1,2-Trichloroethane

Concen: 0.685 ug/l

RT: 10.41 min Scan# 2687

Delta R.T. -0.15 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Tgt Ion: 97 Resp: 3048

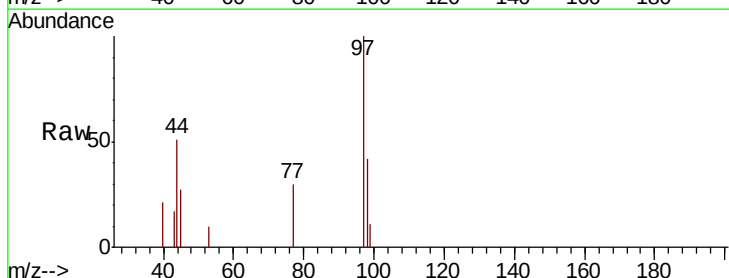
Ion Ratio Lower Upper

97 100

83 0.0 67.7 101.5#

85 0.0 44.5 66.7#

99 11.2 50.4 75.6#

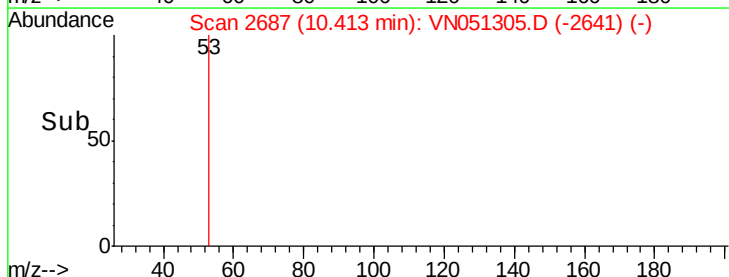
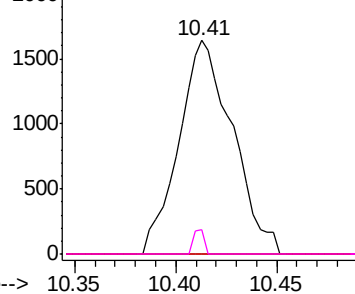


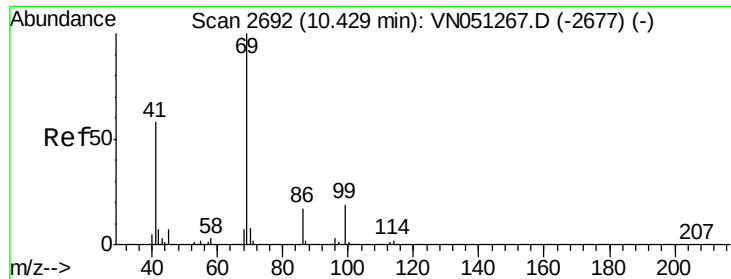
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 2.290 ug/l

RT: 10.23 min Scan# 2629

Delta R.T. -0.20 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampled :

COMP-1

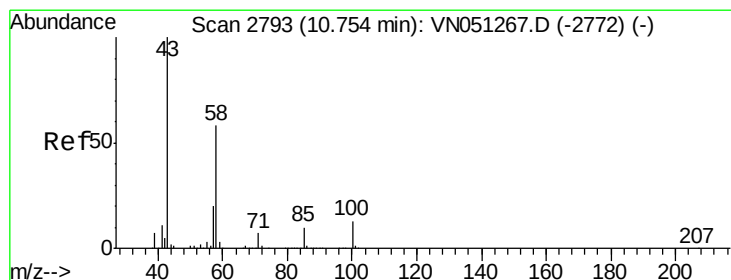
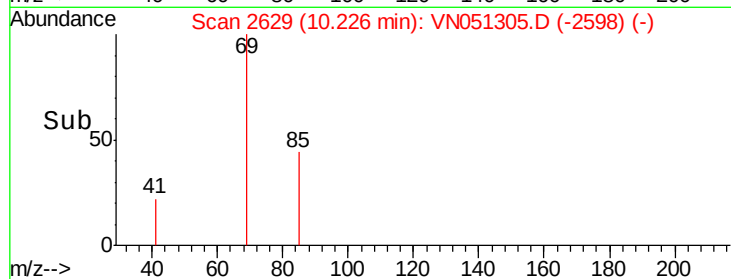
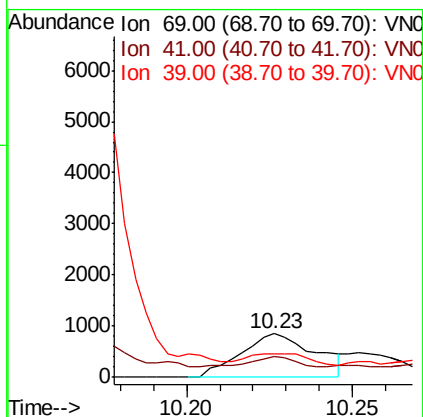
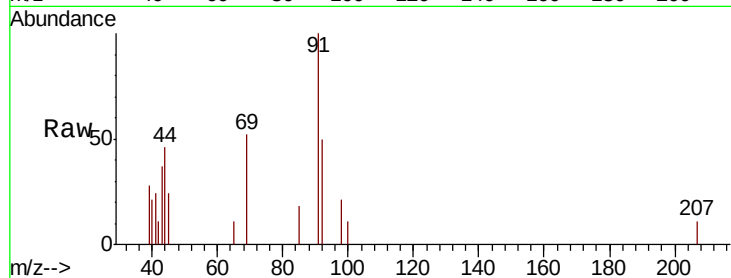
Tgt Ion: 69 Resp: 1321

Ion Ratio Lower Upper

69 100

41 11.9 47.4 71.0#

39 0.0 23.7 35.5#



#59

2-Hexanone

Concen: 5.222 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN051305.D

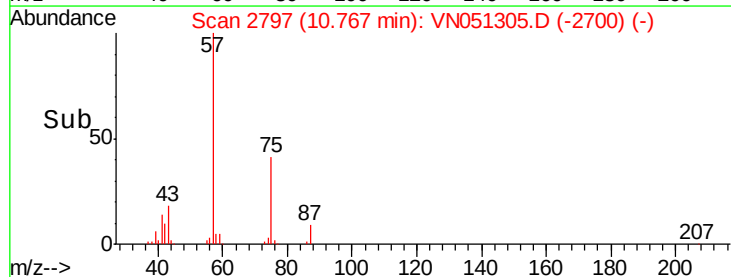
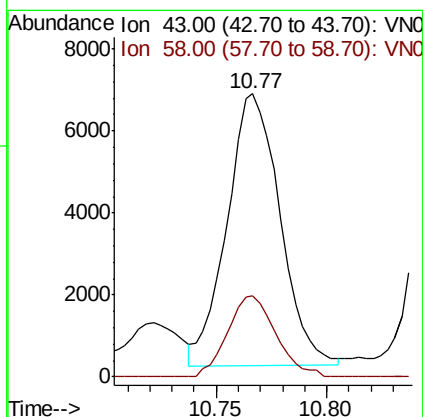
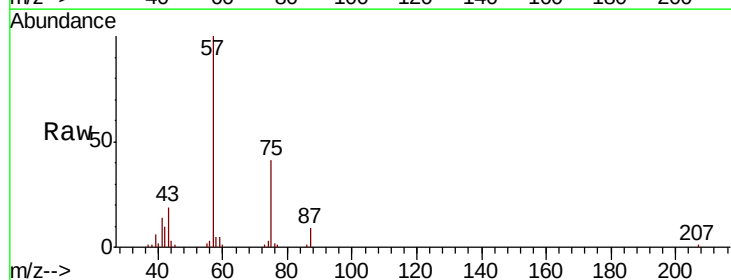
Acq: 18 Sep 2018 18:17

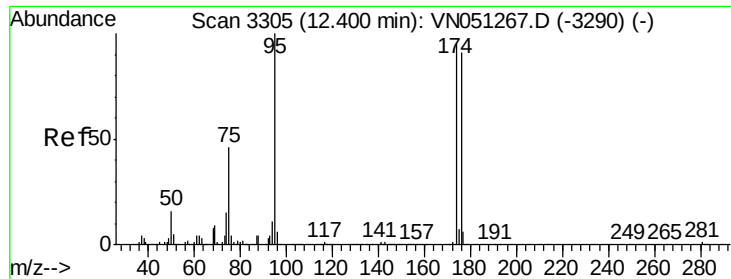
Tgt Ion: 43 Resp: 11031

Ion Ratio Lower Upper

43 100

58 27.2 28.9 86.8#

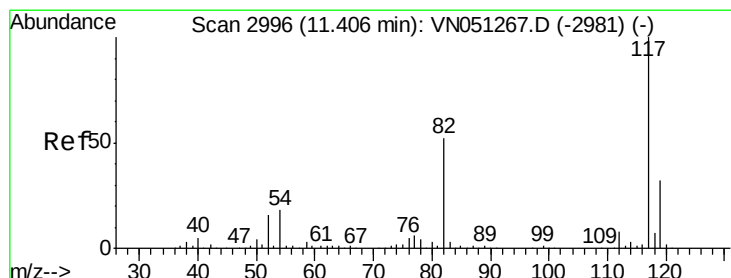
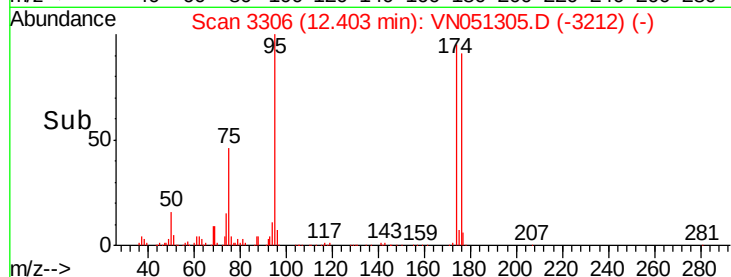
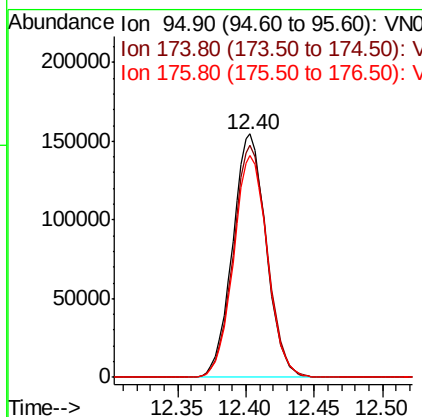
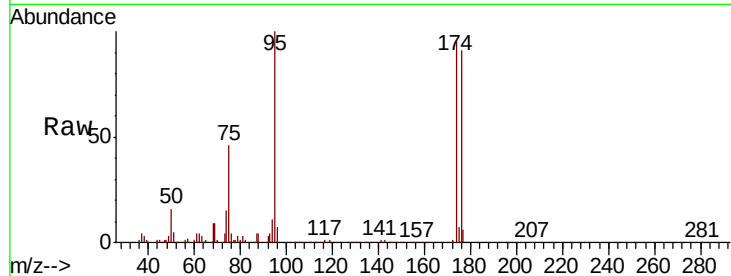




#62
4-Bromofluorobenzene
Concen: 44.669 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

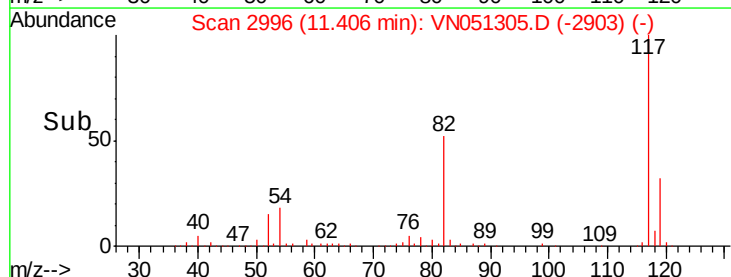
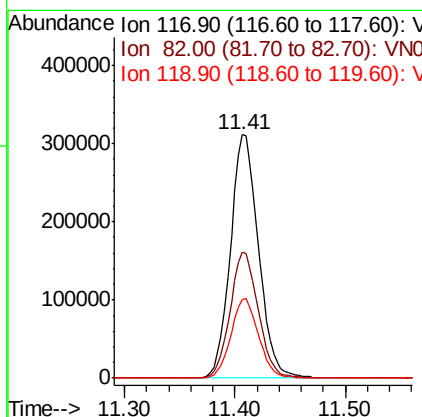
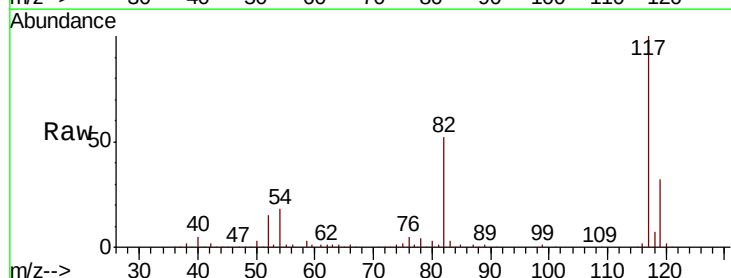
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

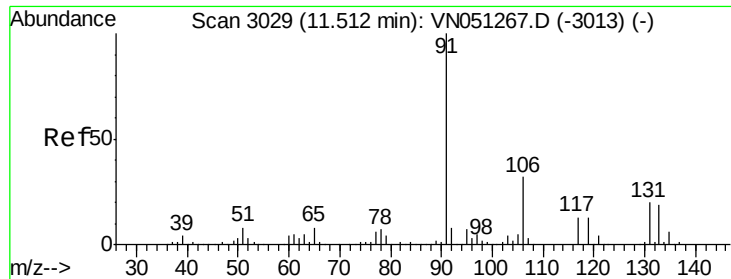
Tgt Ion: 95 Resp: 263544
Ion Ratio Lower Upper
95 100
174 96.4 0.0 189.6
176 92.0 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

Tgt Ion: 117 Resp: 550308
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.8
119 32.2 25.6 38.4

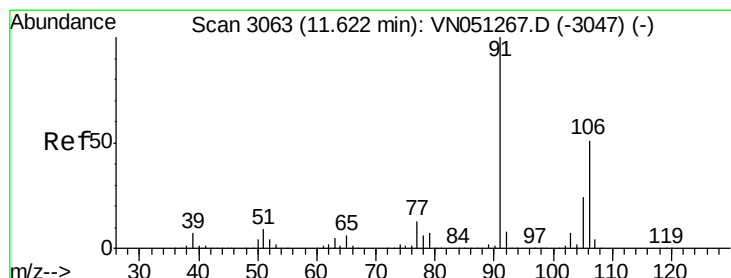
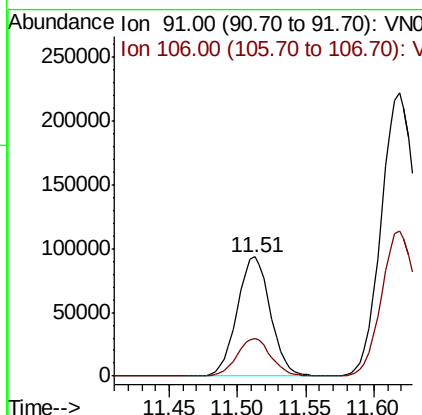
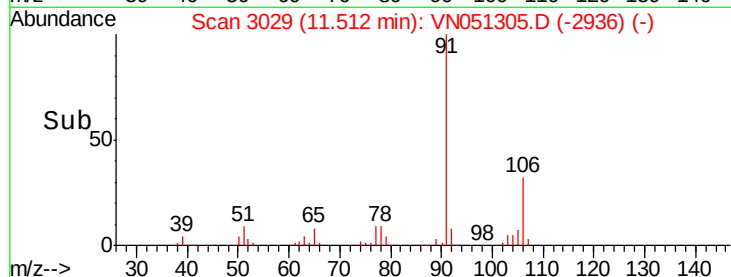
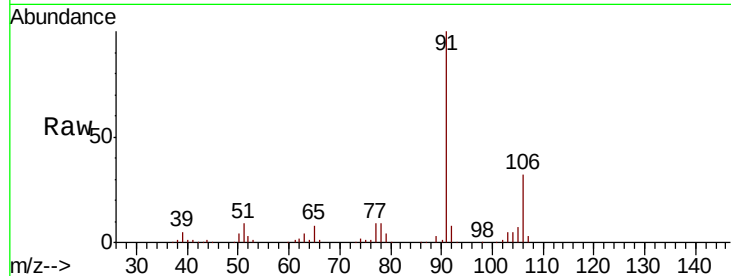




#67
Ethyl Benzene
Concen: 7.331 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

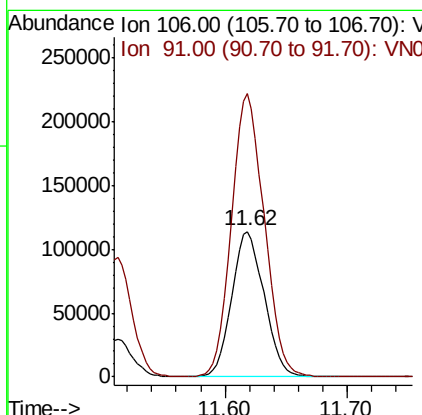
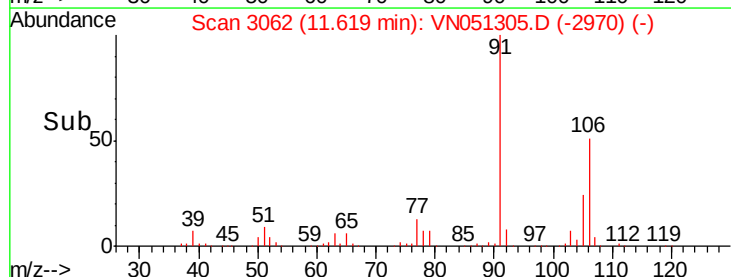
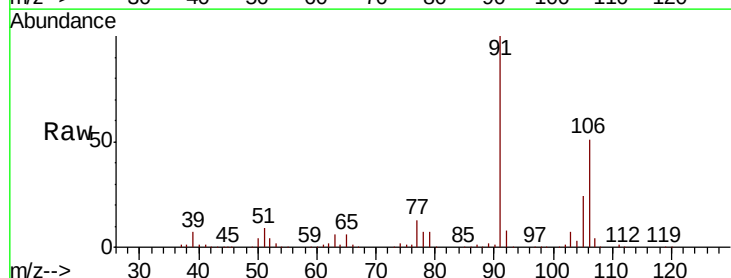
Instrument :
MSVOA_N
ClientSampled :
COMP-1

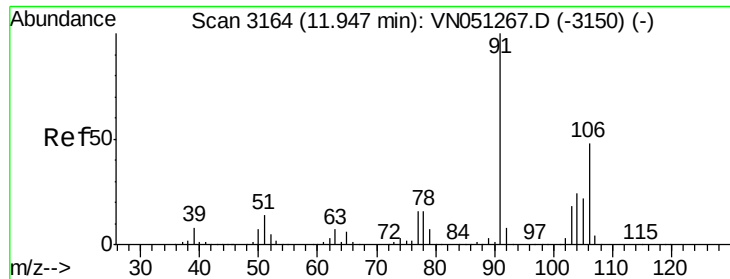
Tgt Ion: 91 Resp: 159028
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5



#68
m/p-Xylenes
Concen: 24.926 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

Tgt Ion: 106 Resp: 210047
Ion Ratio Lower Upper
106 100
91 196.7 158.6 238.0

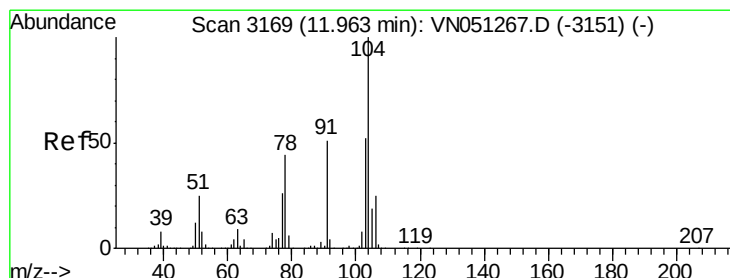
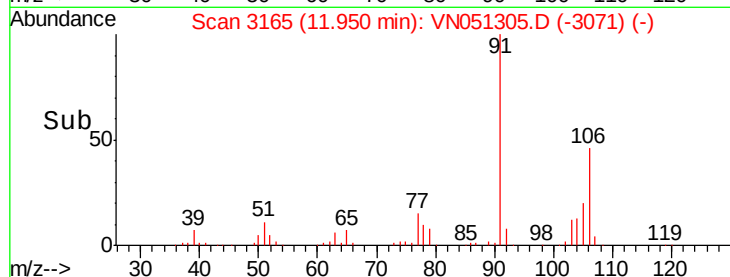
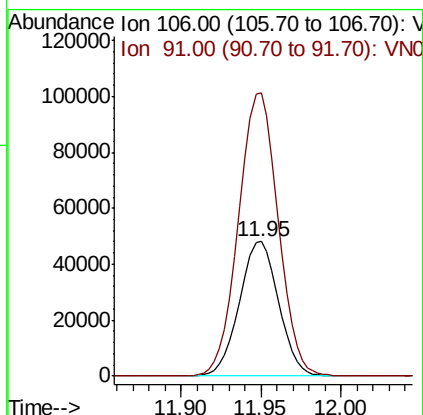
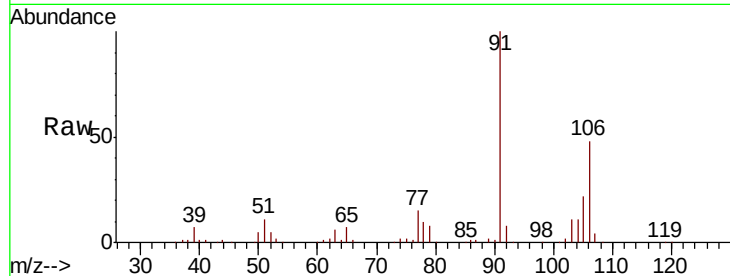




#69
o-Xylene
Concen: 10.004 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

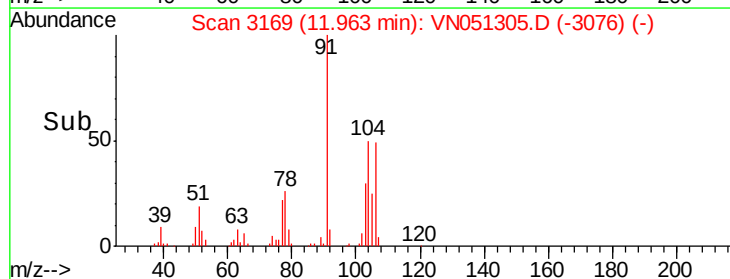
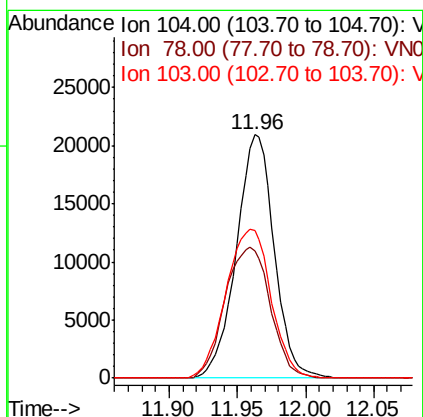
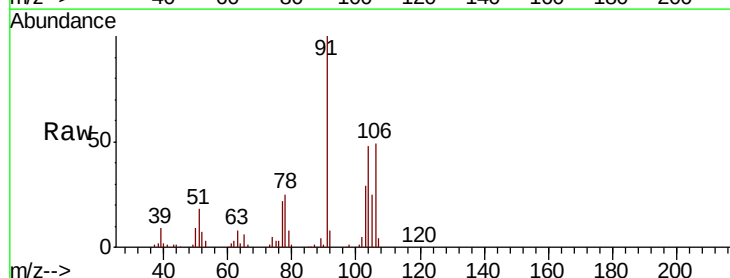
Instrument :
MSVOA_N
ClientSampled :
COMP-1

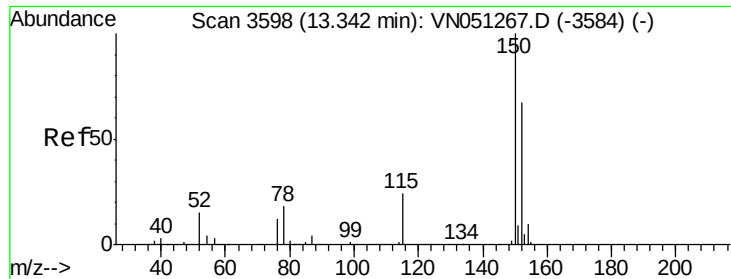
Tgt Ion:106 Resp: 80341
Ion Ratio Lower Upper
106 100
91 212.9 104.1 312.3



#70
Styrene
Concen: 4.011 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

Tgt Ion:104 Resp: 40304
Ion Ratio Lower Upper
104 100
78 64.2 38.1 57.1#
103 72.9 44.8 67.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

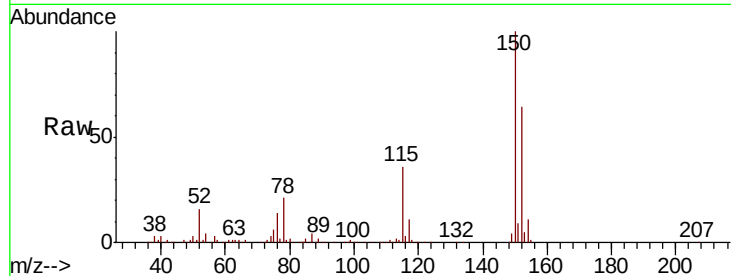
Tgt Ion:152 Resp: 264888

Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.2

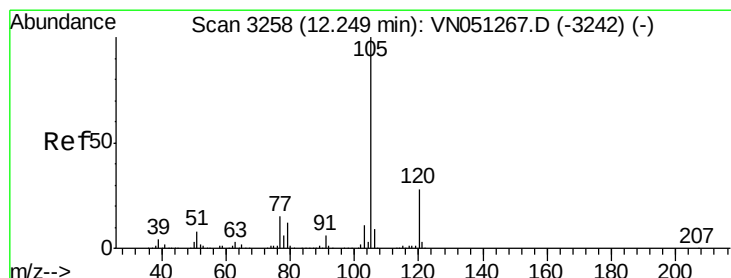
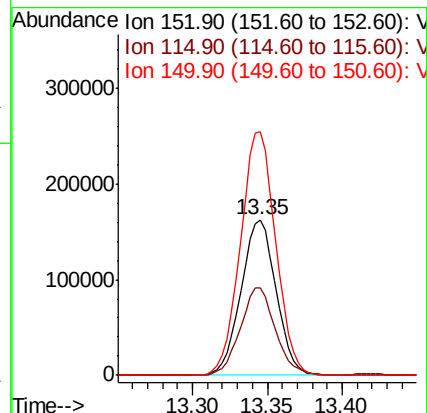
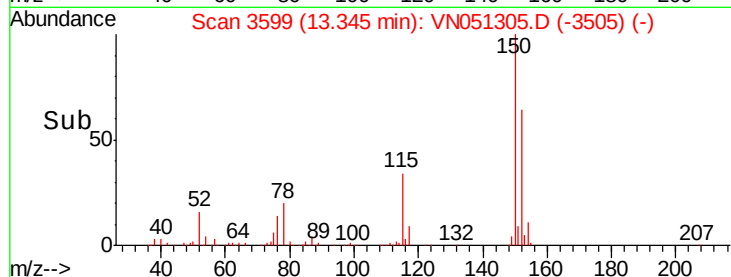
150 157.5 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.261 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051305.D

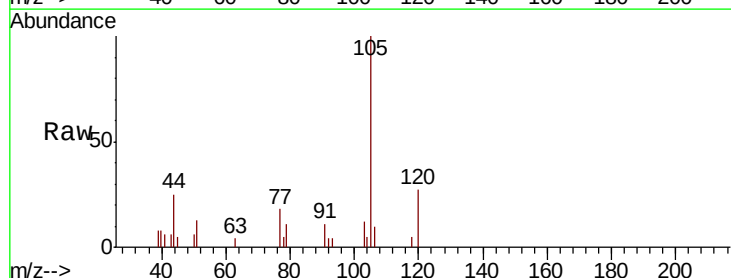
Acq: 18 Sep 2018 18:17

Tgt Ion:105 Resp: 5841

Ion Ratio Lower Upper

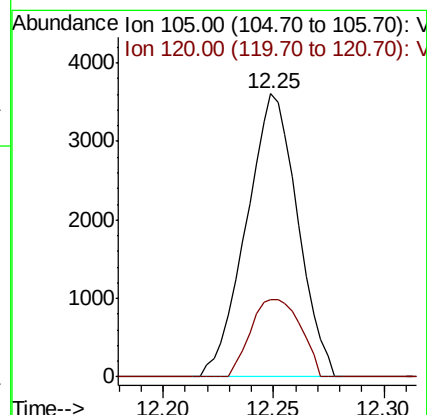
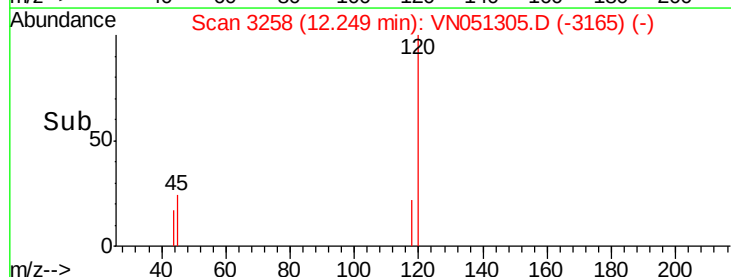
105 100

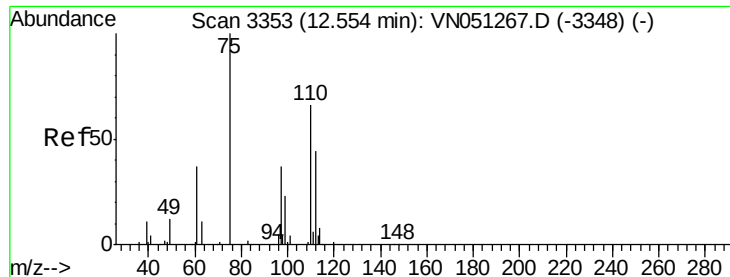
120 26.5 13.8 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 32.762 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampled :

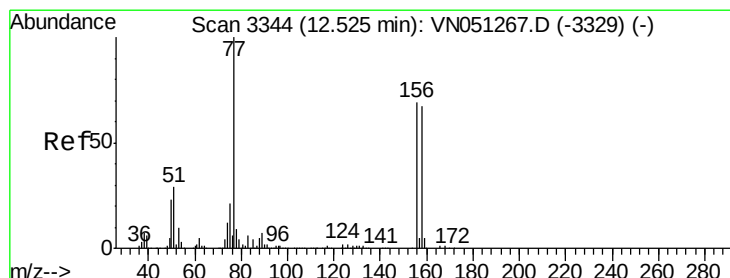
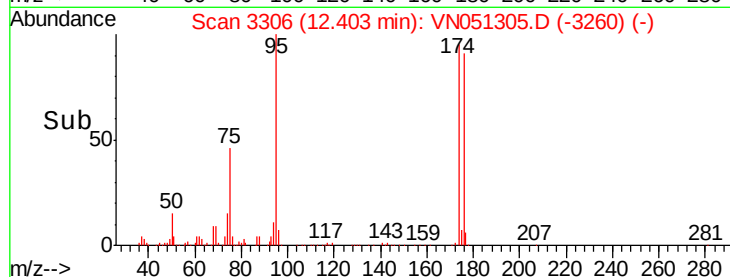
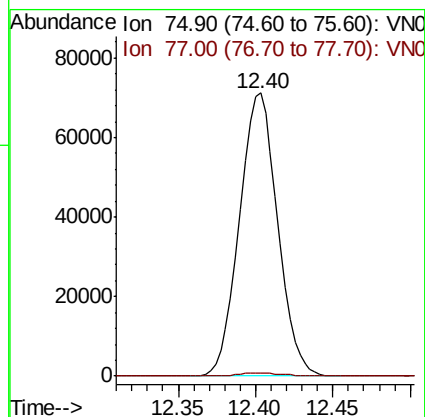
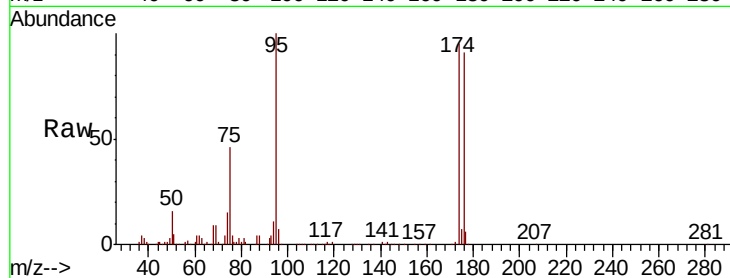
COMP-1

Tgt Ion: 75 Resp: 122132

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

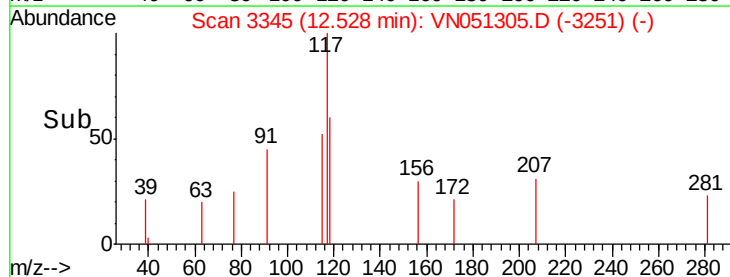
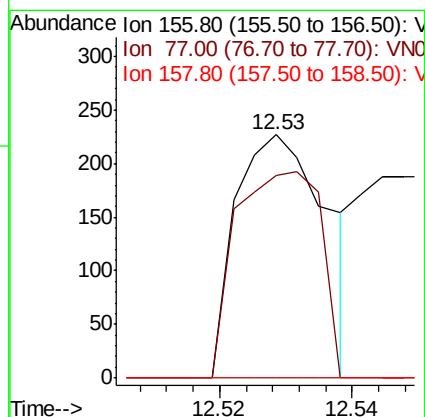
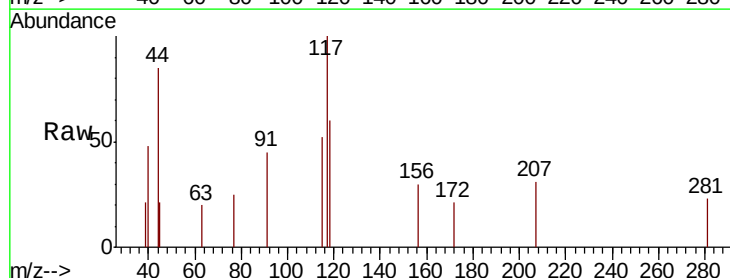
Tgt Ion: 156 Resp: 216

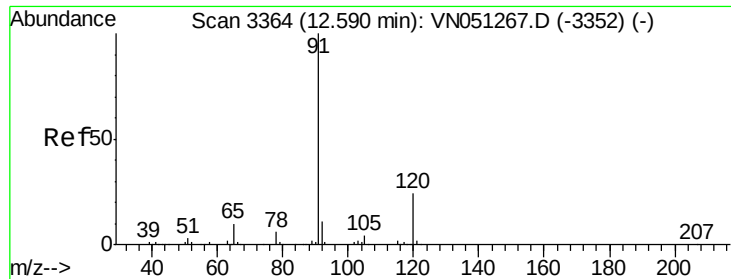
Ion Ratio Lower Upper

156 100

77 0.0 83.7 251.1#

158 0.0 49.0 147.2#





#78

n-propylbenzene

Concen: 0.264 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampled :

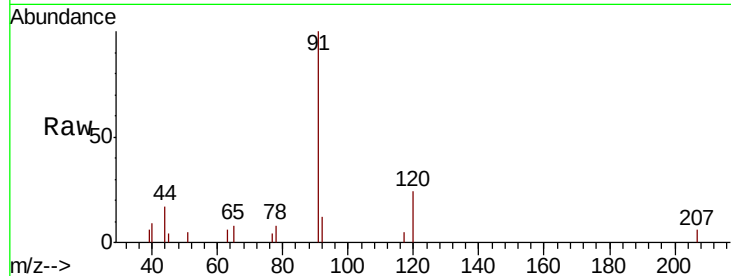
COMP-1

Tgt Ion: 91 Resp: 6355

Ion Ratio Lower Upper

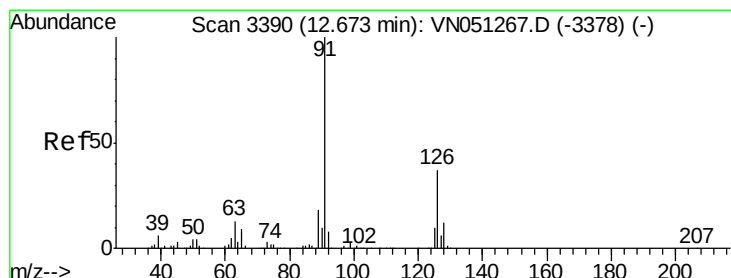
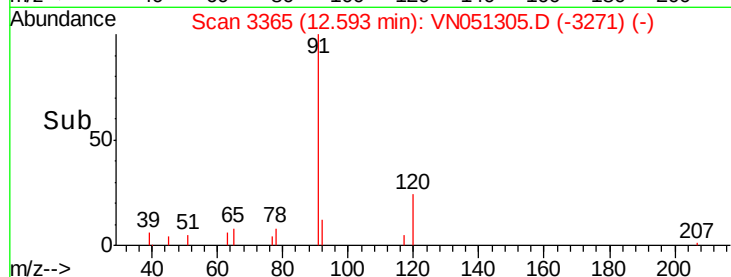
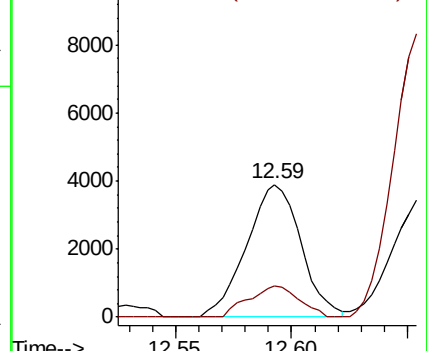
91 100

120 22.1 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.325 ug/l

RT: 12.90 min Scan# 3460

Delta R.T. 0.23 min

Lab File: VN051305.D

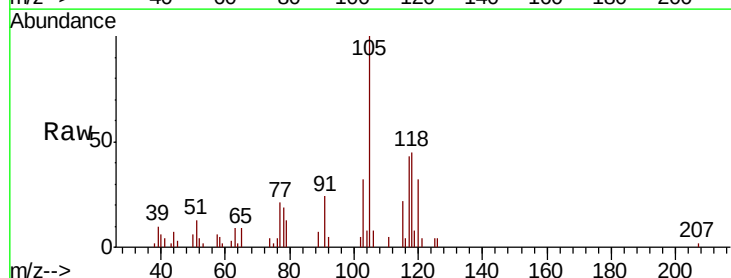
Acq: 18 Sep 2018 18:17

Tgt Ion: 91 Resp: 4973

Ion Ratio Lower Upper

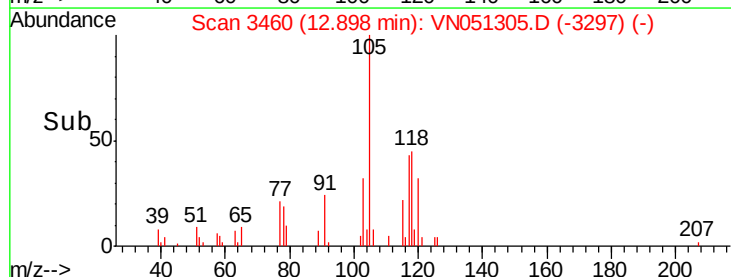
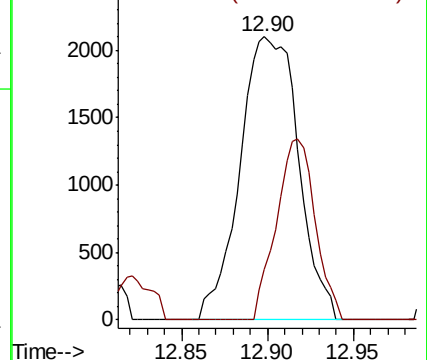
91 100

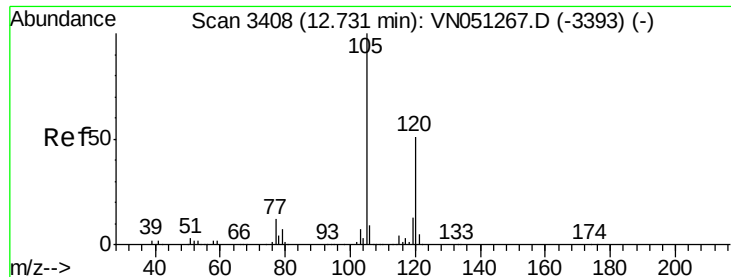
126 42.3 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 3.261 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

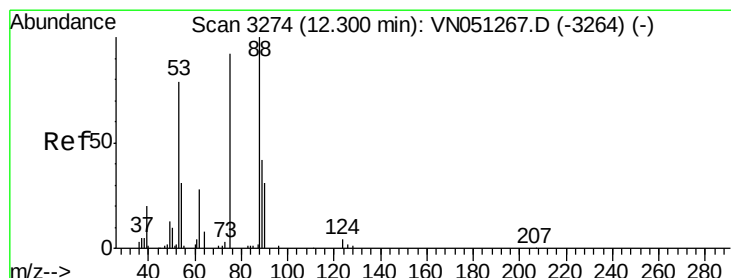
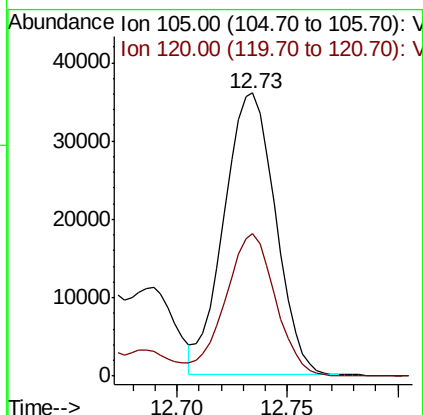
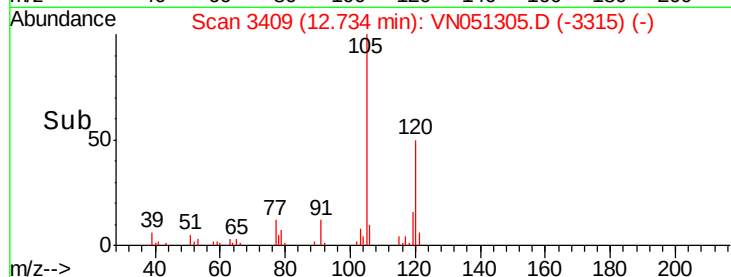
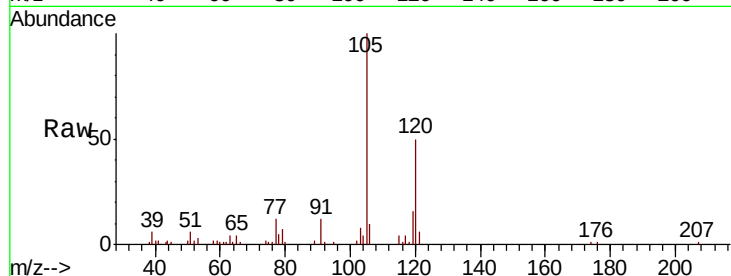
COMP-1

Tgt Ion:105 Resp: 58236

Ion Ratio Lower Upper

105 100

120 49.1 25.3 75.8



#81

trans-1,4-Dichloro-2-butene

Concen: 102.405 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

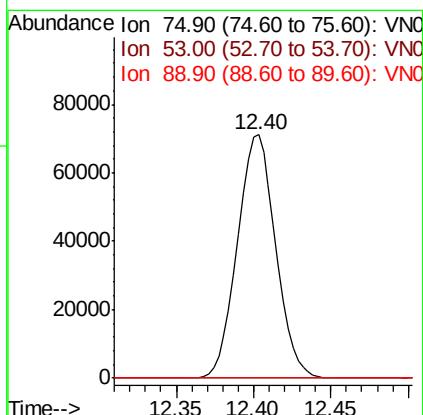
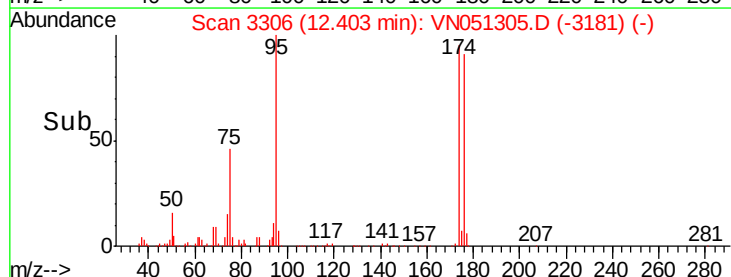
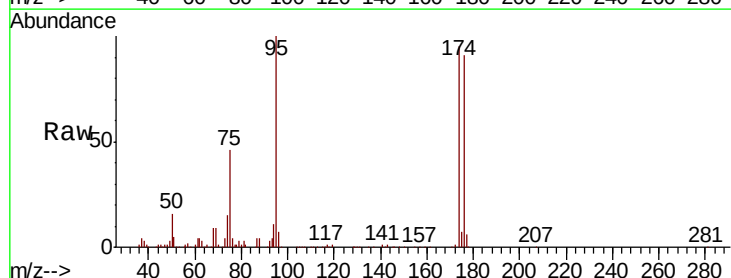
Tgt Ion: 75 Resp: 122132

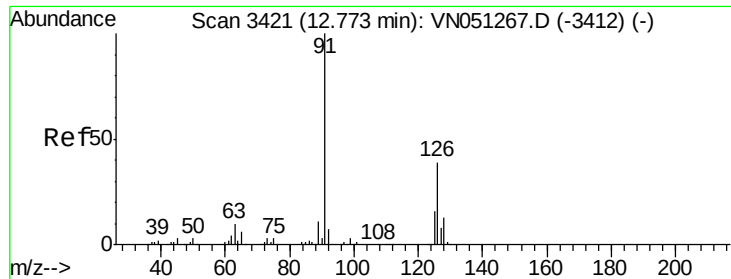
Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 36.9 55.3#





#82

4-Chlorotoluene

Concen: 0.341 ug/l

RT: 12.90 min Scan# 3460

Delta R.T. 0.13 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

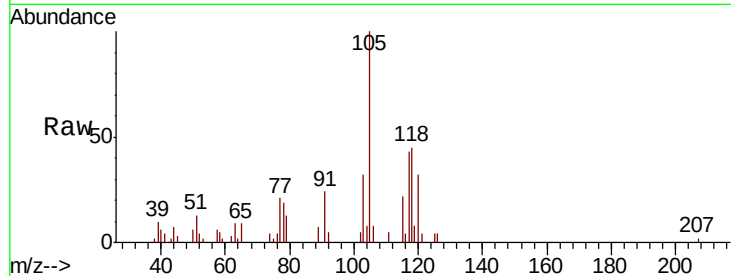
COMP-1

Tgt Ion: 91 Resp: 4973

Ion Ratio Lower Upper

91 100

126 42.3 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN051267.D (-3412) (-)

12.90

2500

2000

1500

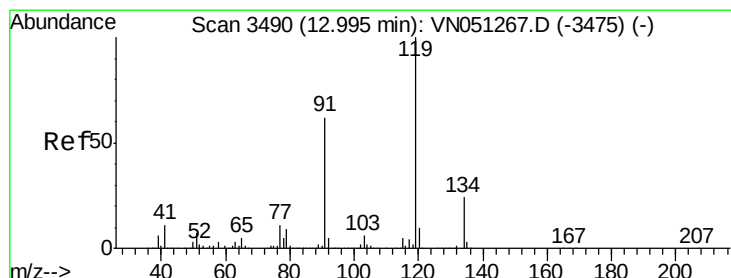
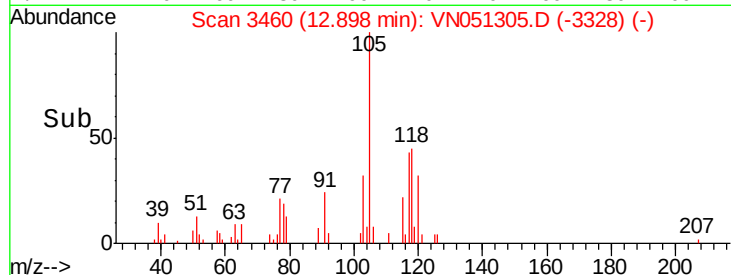
1000

500

0

12.85 12.90 12.95

Time-->



#83

tert-Butylbenzene

Concen: 1.493 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.04 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

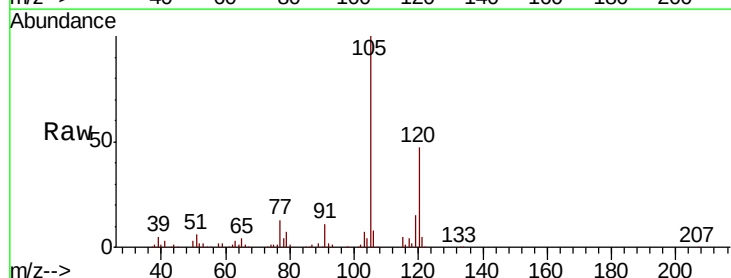
Tgt Ion: 119 Resp: 23569

Ion Ratio Lower Upper

119 100

91 74.8 30.8 92.4

134 1.3 12.4 37.0#



Abundance Ion 119.00 (118.70 to 119.70): VN051267.D (-3475) (-)

Ion 91.00 (90.70 to 91.70): VN051267.D (-3475) (-)

Ion 134.00 (133.70 to 134.70): VN051267.D (-3475) (-)

13.04

20000

15000

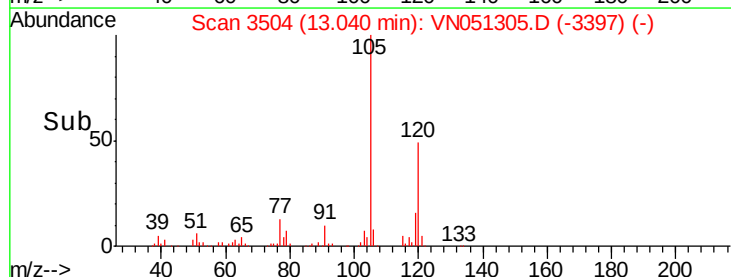
10000

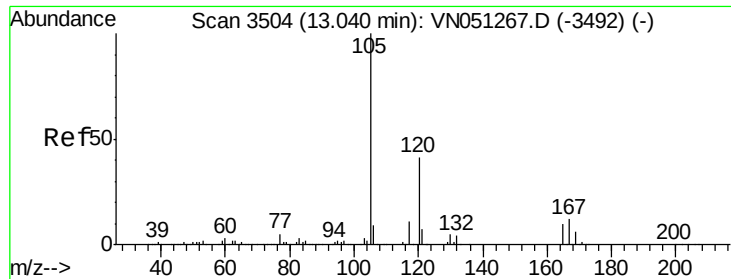
5000

0

12.95 13.00 13.05 13.10

Time-->

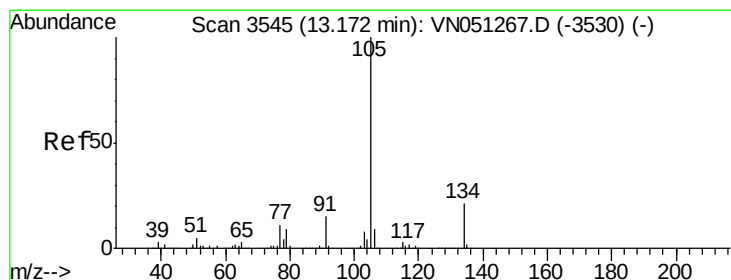
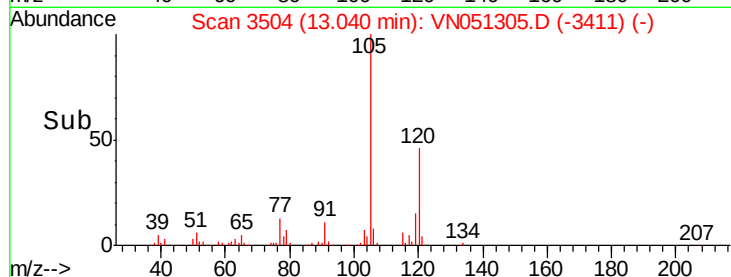
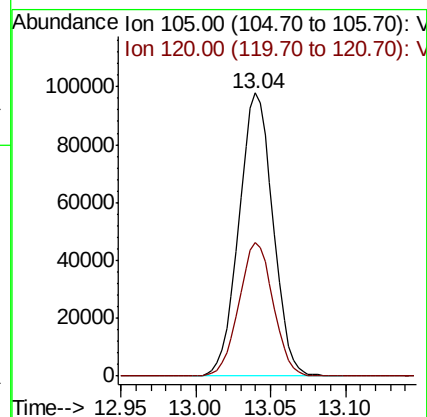
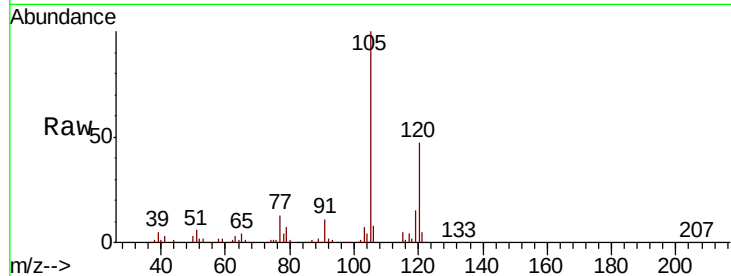




#84
 1,2,4-Trimethylbenzene
 Concen: 8.946 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

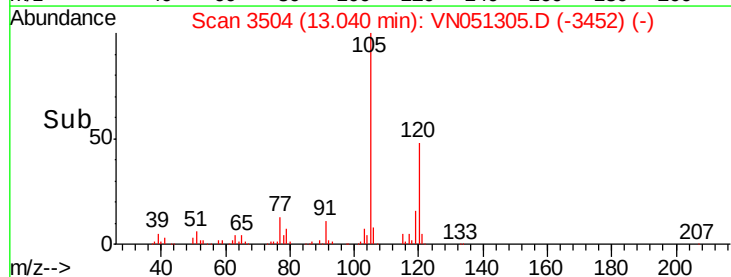
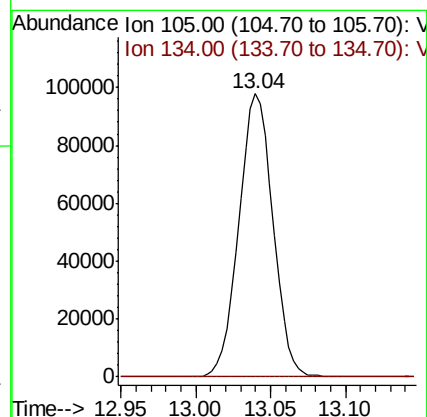
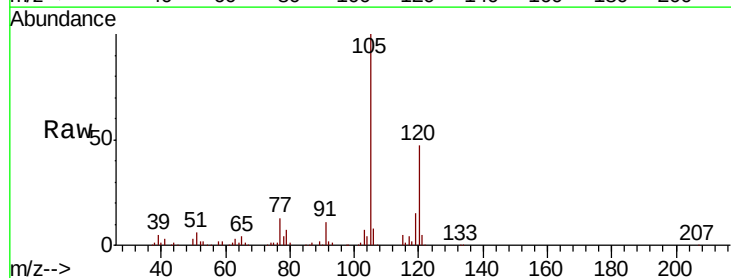
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

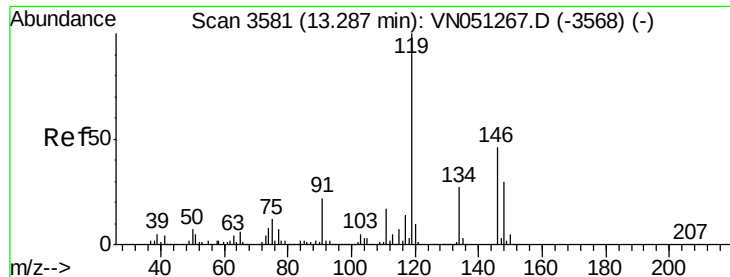
Tgt Ion:105 Resp: 155154
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.5 70.6



#85
 sec-Butylbenzene
 Concen: 7.741 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

Tgt Ion:105 Resp: 155154
 Ion Ratio Lower Upper
 105 100
 134 0.2 10.5 31.6#

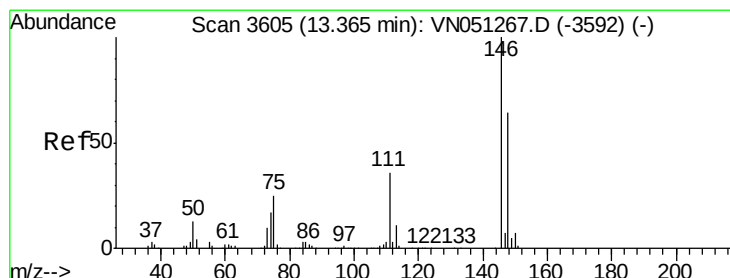
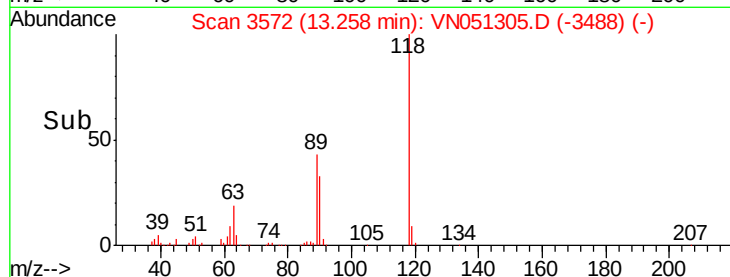
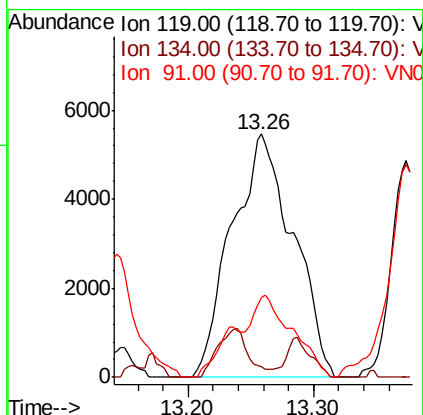
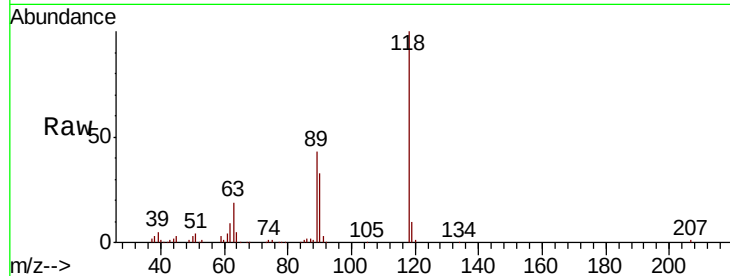




#86
p-Isopropyltoluene
Concen: 1.103 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. -0.03 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

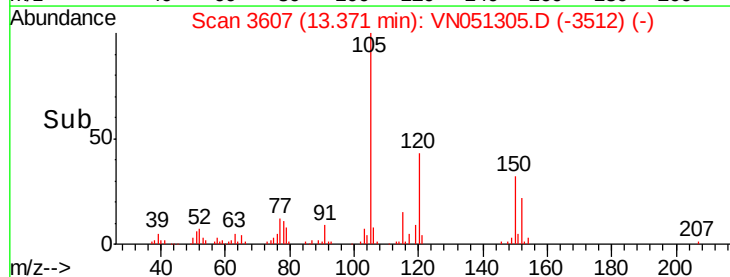
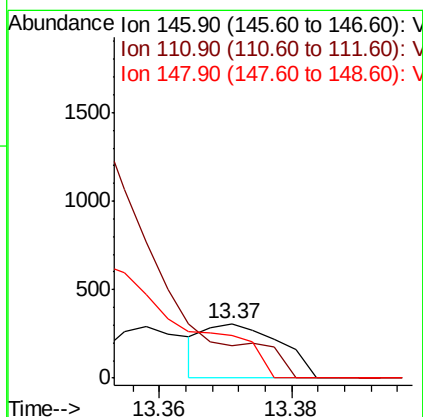
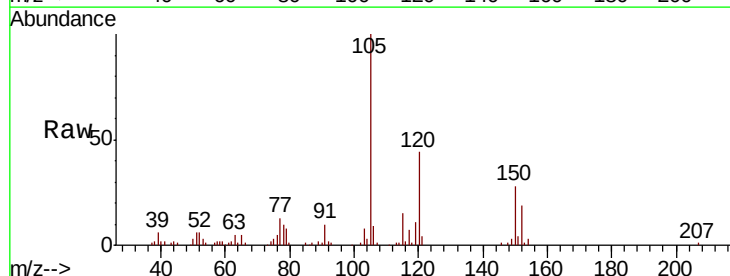
Instrument :
MSVOA_N
ClientSampled :
COMP-1

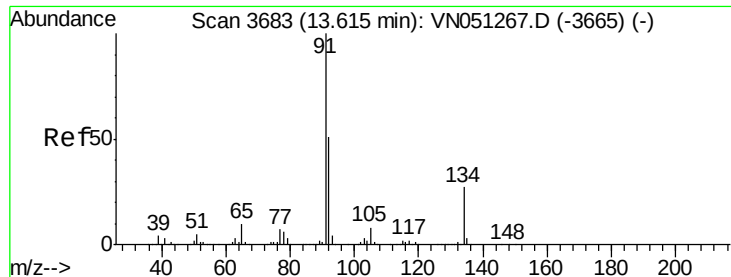
Tgt Ion:119 Resp: 18541
Ion Ratio Lower Upper
119 100
134 0.0 13.5 40.5#
91 22.3 11.1 33.1



#88
1,4-Dichlorobenzene
Concen: 0.437 ug/l
RT: 13.37 min Scan# 3607
Delta R.T. 0.01 min
Lab File: VN051305.D
Acq: 18 Sep 2018 18:17

Tgt Ion:146 Resp: 239
Ion Ratio Lower Upper
146 100
111 0.0 18.2 54.6#
148 0.0 31.9 95.7#





#89

n-Butylbenzene

Concen: 2.169 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051305.D

Acq: 18 Sep 2018 18:17

Instrument :

MSVOA_N

ClientSampled :

COMP-1

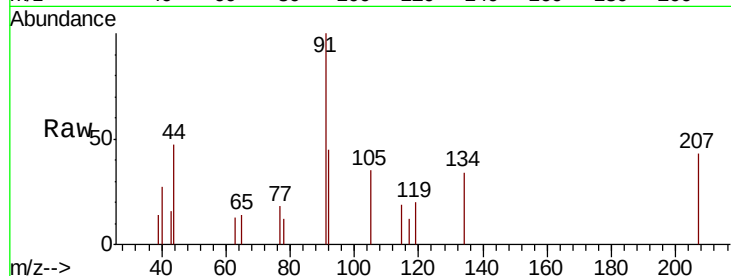
Tgt Ion: 91 Resp: 2178

Ion Ratio Lower Upper

91 100

92 44.8 25.8 77.4

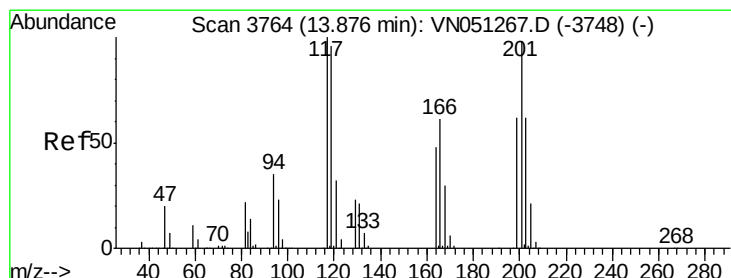
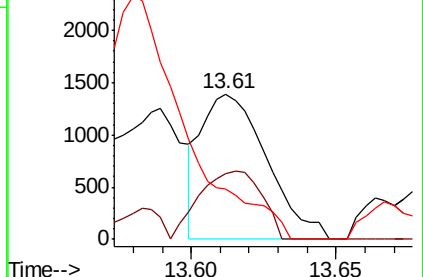
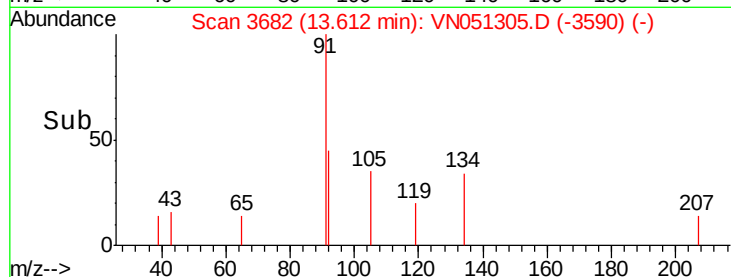
134 0.0 13.7 41.0#



Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN051267.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN051267.D (-3665) (-)



#90

Hexachloroethane

Concen: 0.525 ug/l

RT: 13.86 min Scan# 3758

Delta R.T. -0.02 min

Lab File: VN051305.D

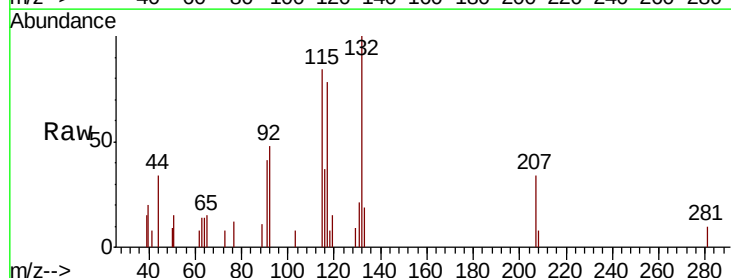
Acq: 18 Sep 2018 18:17

Tgt Ion: 117 Resp: 4473

Ion Ratio Lower Upper

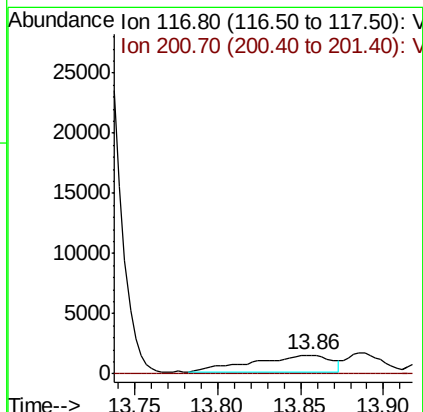
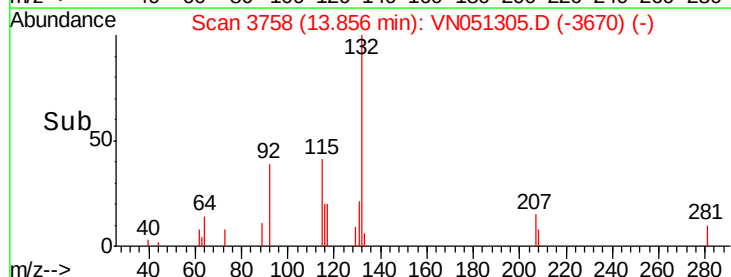
117 100

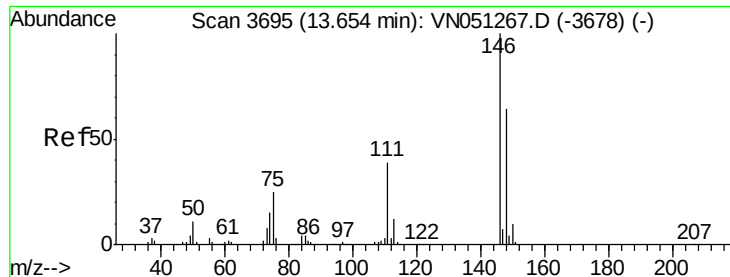
201 0.0 48.4 145.3#



Abundance Ion 116.80 (116.50 to 117.50): VN051267.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051267.D (-3748) (-)

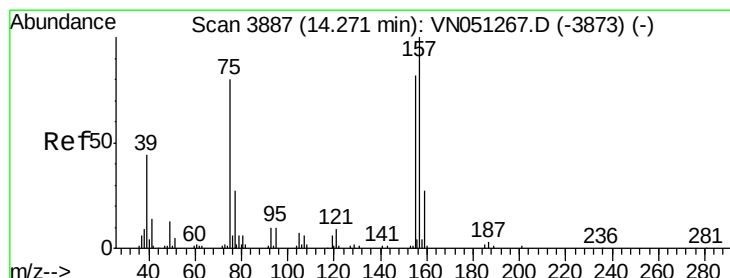
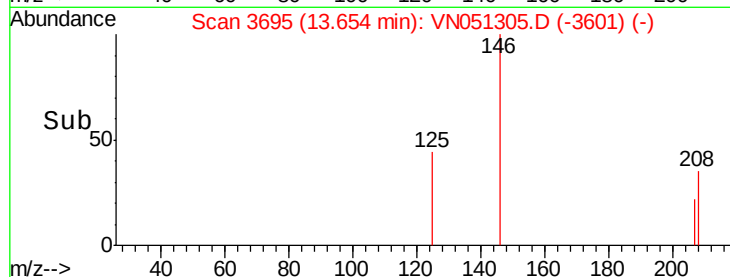
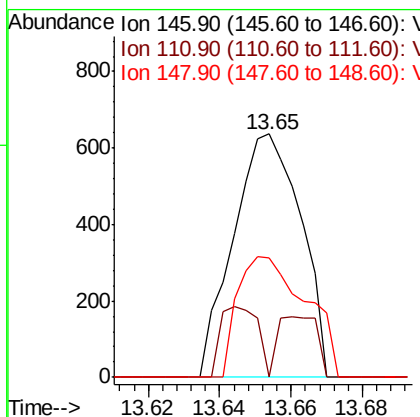
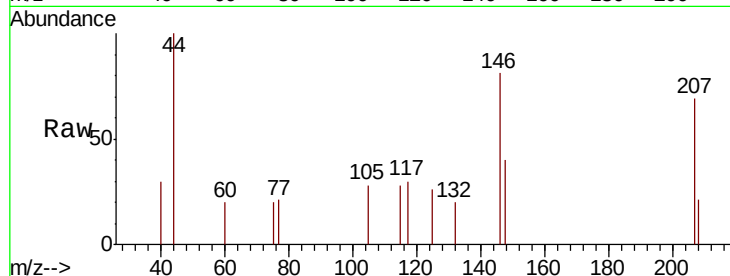




#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

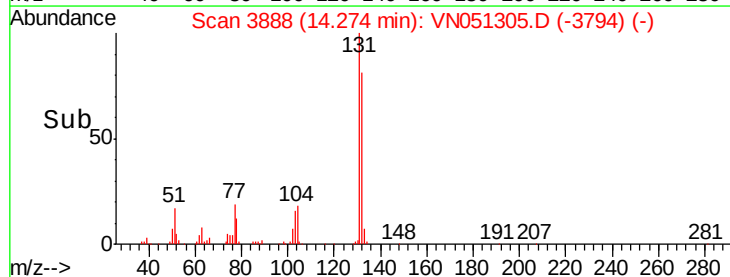
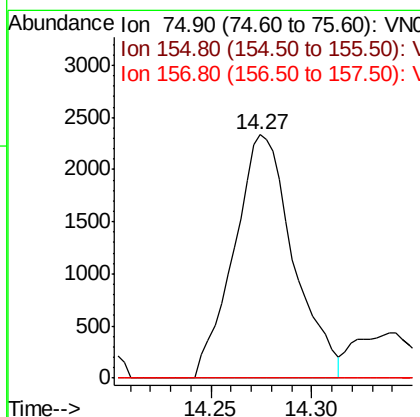
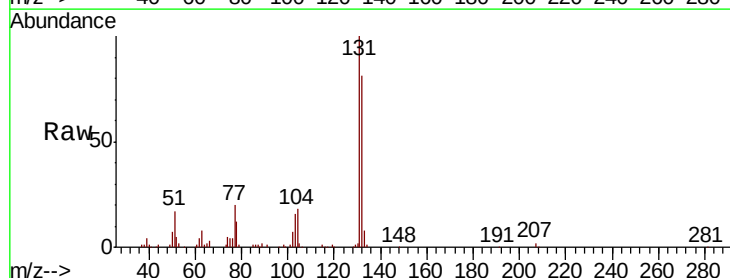
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

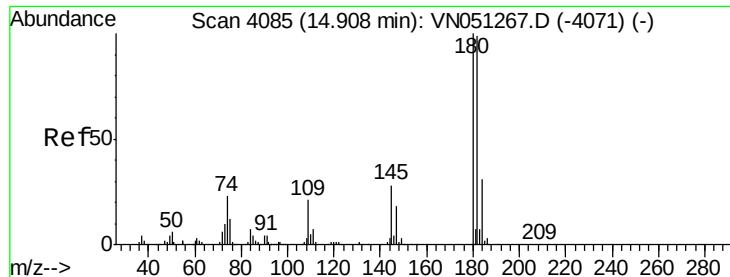
Tgt Ion: 146 Resp: 833
 Ion Ratio Lower Upper
 146 100
 111 14.4 19.6 58.7#
 148 50.2 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.483 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

Tgt Ion: 75 Resp: 4786
 Ion Ratio Lower Upper
 75 100
 155 0.0 50.2 150.7#
 157 0.0 62.9 188.7#

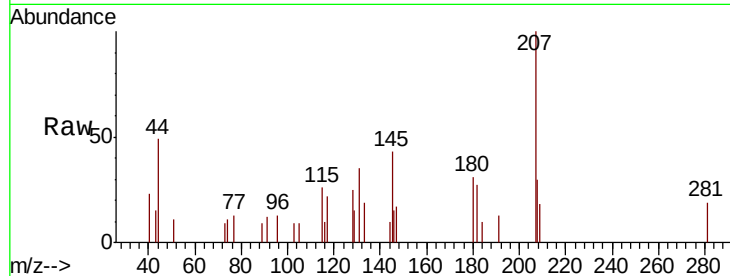




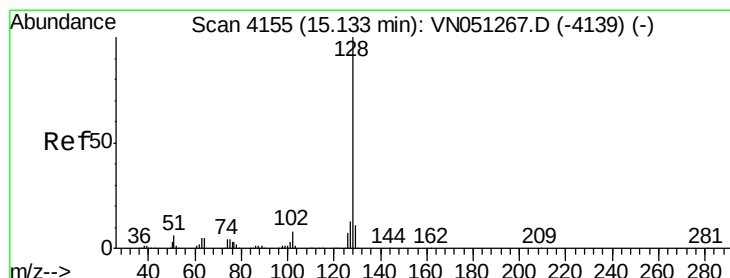
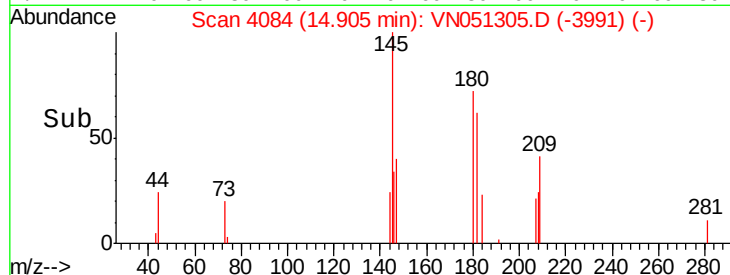
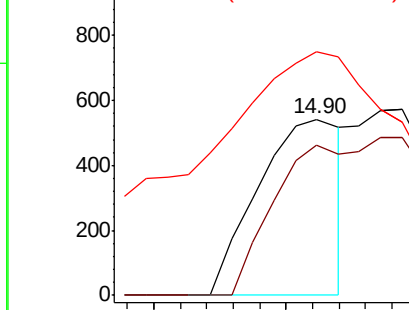
#93
 1,2,4-Trichlorobenzene
 Concen: 5.129 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

Instrument :
 MSVOA_N
 ClientSampled :
 COMP-1

Tgt Ion:180 Resp: 478
 Ion Ratio Lower Upper
 180 100
 182 155.2 48.5 145.6#
 145 353.6 14.0 41.9#

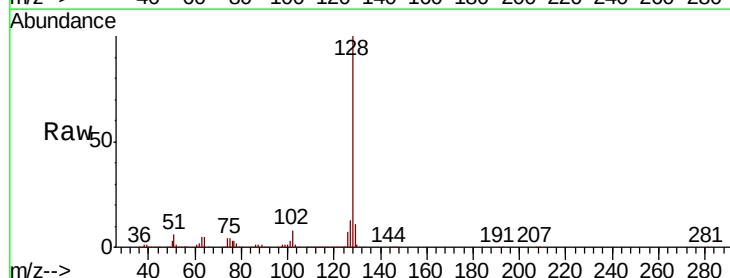


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

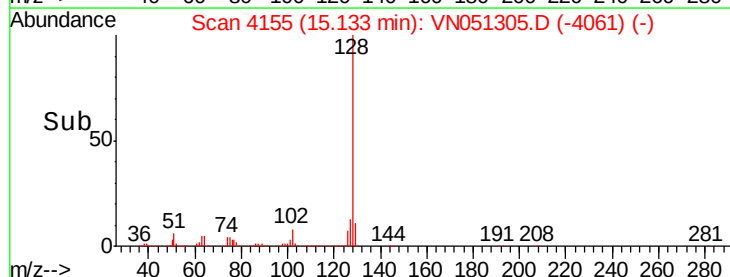
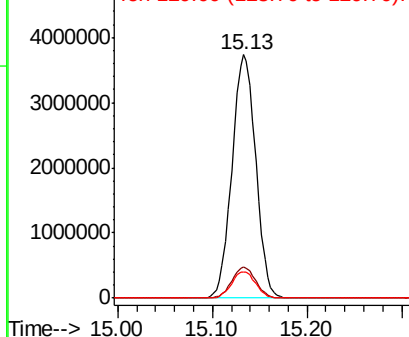


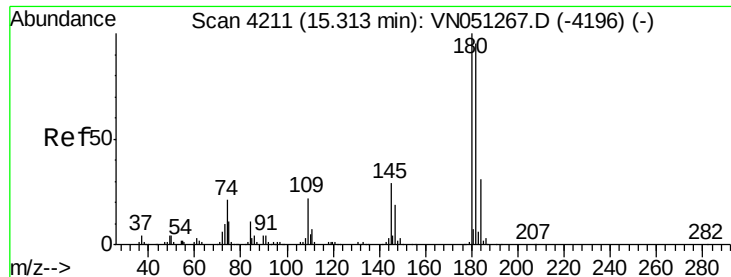
#95
 Naphthalene
 Concen: 695.555 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

Tgt Ion:128 Resp: 6485607
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.7 16.1
 129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.944 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN051305.D
 Acq: 18 Sep 2018 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Tgt Ion:180 Resp: 372
 Ion Ratio Lower Upper
 180 100
 182 98.4 47.5 142.6
 145 530.1 14.8 44.4#

